



Sehr geehrte Anwender,

in Kürze wird IBM eine Reihe von neuen Ankündigungen durchführen. Wir möchten Sie darauf vorbereiten und Ihnen die wichtigsten Informationen schon jetzt weitergeben. Die Kurzbeschreibungen zu den Produkten sowie deren Verfügbarkeit ersehen Sie aus den anliegenden Informationen.

Produkt

Stichwort

IBM Storwize V7000/ SVC

Encryption

Compression

6 TB NL-SAS Drives

16 Gbs Fibre Channel

IBM Flash System

Power 8

Elastic Flash

Storwize V7000

V840 / 840

IBM DS8870

Incremental FlashCopy

Easy Tier

High Performance Flash im Expansion
Frame

1,6 TB Flash, 600 GB 15K rpm

Plattenlaufwerk

Multiple Target Peer to Peer

IBM TS7700

TS7720 mit Bandanschluss TS3500

Mixed Grides TS7720/TS7740

IBM TS1150

10 TB Kapazität

360 MBs Datendurchsatz

Upgrade von TS1140

Für Fragen, Informationen und Angebote stehen wir Ihnen zur Verfügung.

Wir freuen uns auf Ihren Anruf oder eine Email.

Mit freundlichem Gruß



Wiegand
Ihr Wolfgang Wiegand



B. Wiegand
Ihr Björn Wiegand

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Storage Virtualization Leadership



Most Powerful SVC and Storwize V7000 ever

- **Half price Storage with Real-time Compression**
- **Data Mobility with Zero application downtime**
- **Reduce administrative costs up to 60%**



260+ Storage models from various vendors



More than 10K SVC and 60K Storwize systems shipped WW
~2 million TBs of data managed



more data on storage clients already own



More Half Price Storage

- Dual software compression engines for Storwize V7000 [Unified] and SVC
- Take advantage of **multi-core controller architecture**
- Make better use of compression accelerator hardware
 - Dual compression accelerators required
- Enable **up to double** amount of “half price storage” in a single system
 - Even greater efficiency than before
 - Delivers **up to double throughput for compressed workloads**
- Strongly recommend always configure dual compression accelerators in systems using compression



GUARANTEED

Storwize V7000 Encryption

- Encryption now available for block data on internal storage with Gen2 Storwize V7000 and Storwize V7000 Unified
- Performed by hardware in control enclosure
 - No performance impact
 - Works with all existing drives: *no need to buy new drives*
- Helps protect against inadvertent disclosure of data if drives removed
- Provides equivalent of secure erasure
- Licensed by control enclosure
- Straightforward key management **built in**
- Statements of direction
 - Encryption support with SVC
 - Encryption for external virtualized storage
 - Integration with IBM Security Key Lifecycle Manager (formerly TKLM)
 - Encryption for file data with Storwize V7000 Unified



New Technologies for Storwize Family

6TB NL-SAS drives

- **50% more capacity** supported in all Storwize family systems
- Enable up to **1.5PB** raw capacity in single Storwize V7000 or **6PB** in clustered system (up to **30PB** with compression)
- Approximately 10% lower \$/GB drive cost
- Great new option for high capacity big data or archive

16Gbps Fibre Channel

- Supported on Storwize V7000 [Unified] and SVC
- Enables use of next generation Fibre Channel SANs
- Connect to legacy 8Gbps servers or storage through switches
- **Up to double** single-stream throughput (to **1.5GB/s**) can benefit analytics workloads



Lead the transformation with Flash Everywhere

**New in
October!**

IBM FlashSystem accelerates business insight with extreme performance and advanced management features

Achieve up to 2X faster Real-time Compression, drive up to 1.2 million data reduction IOPS and deliver 1.6PB of effective capacity by deploying IBM FlashSystem V840

Clear leadership position

- 82 PB total flash shipped in 2013
- Published June 2014: Worldwide market share leader (#1) by Gartner's solid-state appliance report
- Published August 2014: Leader in the Gartner Magic Quadrant*

Warranty: You're covered, no matter what your wear!

- Flash media within IBM FlashSystem is covered in full for the duration of the warranty period

*Distribution rights will be available soon!

Lead the transformation with Flash Everywhere



IBM FlashSystem and Power8 Solution

- Integrated platform for large and fast growing NoSQL data stores
 - Not Only SQL is a type of database that is not a typical relational, tabular structure
 - It's common in new big data, social and mobile applications
- Leverages POWER8, new CAPI (Coherent Accelerator Processor Interface) and FlashSystem
- Store data in FlashSystem instead of in server memory
- 24:1 reduction in infrastructure; 2.4x price reduction; 12x less energy

Order date: October 6, 2014
General Availability: November 21, 2014



Elastic Flash

- IBM FlashSystem and Elastic Storage have been thoroughly tested together
- IBM FlashSystem implementation options with Elastic Storage as a storage device, as a storage tier, and for Metadata
- Available Now!



IBM FlashSystem and Storwize V7000 Unified

- IBM FlashSystem adds Extreme Performance with IBM MicroLatency™, Macro Efficiency, and Enterprise Reliability to your File System infrastructure through IBM Storwize V7000 Unified
- Now available File protocols (NFS/CIFS) will have access to IBM FlashSystem Storage, allowing for greater performance.
- Available Now!



Lead the transformation with Flash Everywhere



Enhanced IBM FlashSystem V840

- Up to 1.2M data reduction IOPS with IBM Real-time Compression
- Certified with IBM SmartCloud® Virtual Storage Center:
 - FlashCopy Manager
 - Tivoli Productivity Center (TPC) 5.2.3
 - Storage Analytics Engine
- Now supports all four interfaces and increases the options for host connectivity



Order date: October 28, 2014
General Availability: December 12, 2014



FlashSystem 840

- Maximum performance with the 1300 watt power supply option to maintain performance under demanding loads
- New performance monitoring and system management features:
 - 300 days of performance data with pan and zoom capability to better identify and research trends
 - 5 predefined graphs showing system IOPS, Latency, and Bandwidth, as well as total port IOPS and queue depth
- Now ENERGY STAR Certified



Order date: October 6, 2014
General Availability: December 5, 2014

IBM® DS8870

Increased resiliency, flexibility and management in Disaster Recovery implementations for business-critical environments

- **Multiple Incremental FlashCopy**

- Additional data protection with incremental copy of up to twelve volume targets from a single source

- **Easy Tier 7th Generation**

- Advanced integration with System z with a new API enables applications running on System z to communicate information on workload activity and performance requirements for optimal placement of data

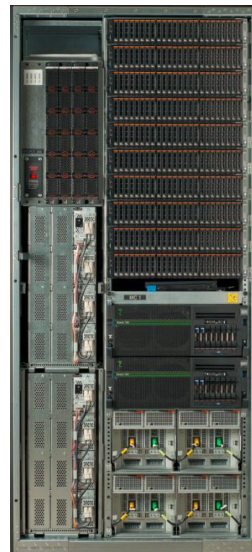
- **Superior performance** and increased capacity with support for 4 additional High Performance Flash Enclosures on expansion frame

- **Reduced footprint and increased capacity** with new drive options

- Additional drive options: 1.6TB flash drives 2.5” and 600GB 15K rpm

- **Accelerated performance**

- Up to 940,000 IOPs/sec in Database Base Open (DBO) environments with a new IO performance feature for analytic data processing



IBM® DS8870

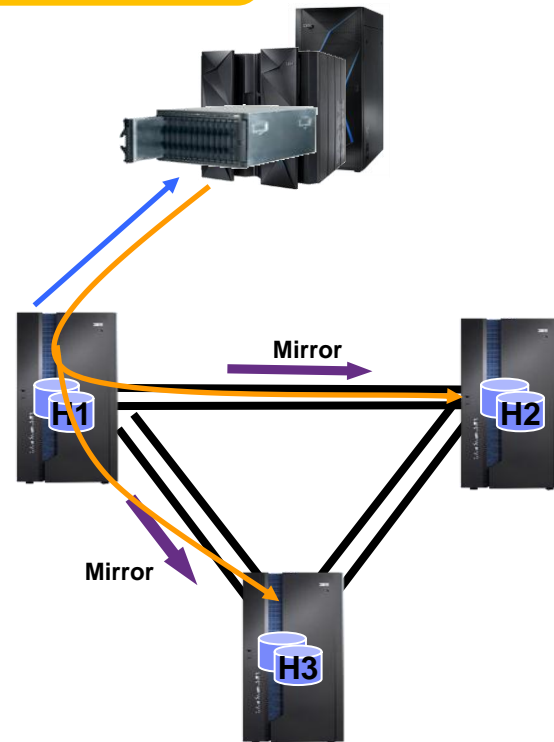
Increased resiliency, flexibility and management in Disaster Recovery implementations for business-critical environments

Multiple Target Peer to Peer Remote Copy

- A single volume is the source for more than one remote copy relationships
- Incremental resynchronisation between target devices
- Two configuration options: one synchronous and one asynchronous relation
- HyperSwap allowed to either secondary
- After HyperSwap, remote copy between the two remaining volumes will quickly be restored

Benefits

- Two independent remote copy relationships
- 99.9999% availability with HyperSwap
- Zero disruption:
 - Recover after a HyperSwap without disruption
 - Storage migration without disruption
- No performance impact



IBM TS1150 Tape Drive

Most cost-effective, secure storage for massive volumes of static, rarely accessed data

New

- 10 TB native capacity
 - **250% improvement** over previous generation
- 360 MBps data throughput
 - **44% improvement** over previous generation
- Investment protection with support for:
 - Upgrade model from TS1140
 - TS1140 media reuse at higher capacity and higher throughput
- Supported in TS3500 and TS4500 tape libraries
- Open systems only
- GA dates
 - Oct 24 for standalone and in TS3500 libraries
 - Nov 21 for TS1140 model upgrades and in TS34500 libraries



IBM TS7700

Delivers high capacity and performance for active data and best economics for inactive and archive data, reducing the need to purchase separate systems to exploit these features

Enhanced

- TS7720 disk only model will support attachment to physical tape
 - TS3500 tape libraries
 - New TS7720 systems and upgrades to existing TS7720
 - Supports mixed TS7720/TS7740 grids for business continuity
- GA dates
 - Dec 5 for new systems
 - March 6, 2015 for TS7720 Tape Attach MES for existing systems

