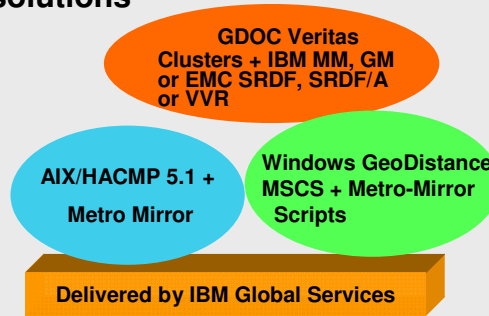
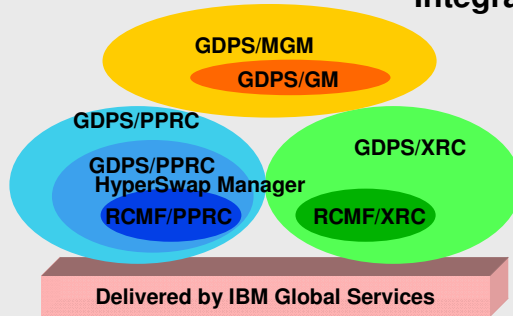


Integrated solutions



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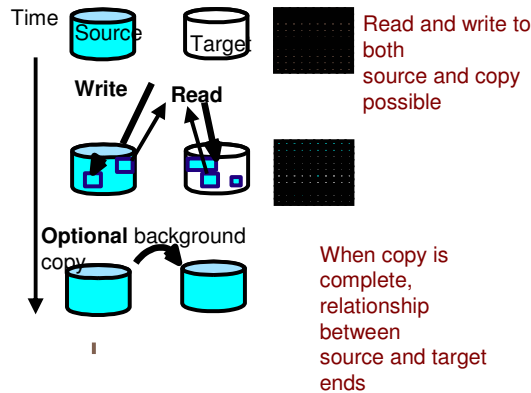


DS6000/DS8000 - Data Replication

FlashCopy - Point in time copy available on DS8000™, DS6000™, and ESS

Features:

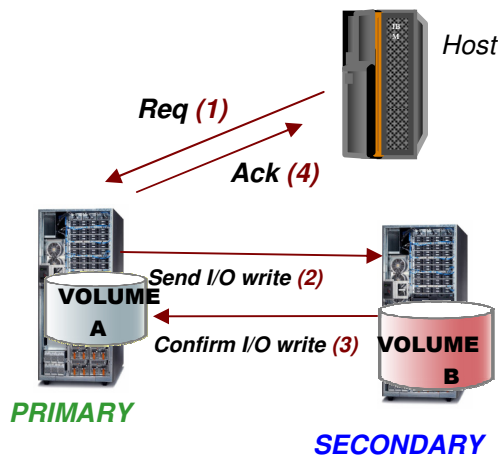
- Multiple relationships - Single Source may have up to 12 Targets.
- Background Copy optional
- NoCopy to Copy – Background Copy
- Persistent and Incremental
- Consistent FlashCopy
- Target device may be in any LSS
- PiT Inc FlashCopy to MM, GC, or GM Primary



Metro Mirror - Synchronous mirroring available on DS8000, DS6000, and ESS

Designed to provide:

- No data loss
- Industry leading replication performance
- High Availability with GDPS™ HyperSwap™:
- System z™ and open systems data
- Ease of use, lower cost



Data Replication Options:

- FlashCopy® (FC) (within Box)
- Metro Mirror (MM/PPRC) (Sync Copy)
- Global Copy (GC) Async Copy, No Consistency
- PiT Incremental FC to MM, GC, or GM Primary
- Global Mirror (GM) Async Copy
- Global Mirror for zSeries® (zGM)
- Metro Global Mirror (MGM)
- zGM + MM/PPRC Multi-Target (MzGM)

Managed by:

- TotalStorage® Productivity Center – Replication Manager (TPC-R)
- Geographically Dispersed Parallel Sysplex (GDPS)

(See integrated solutions on inside flap.)

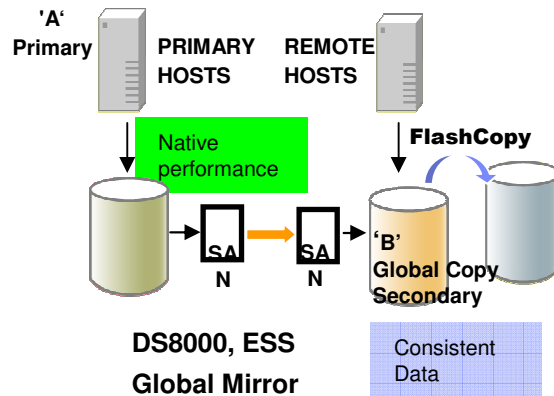
April 2007



Global Mirror - Asynchronous mirroring available on DS8000™, DS6000™, and ESS

DS6K/DS8K/ESS designed to provide:

- Capability to achieve an RPO of 3-5 seconds with sufficient bandwidth and resources
- Do not impact production applications when insufficient bandwidth and/or resources are available
- Scalable; providing consistency across multiple primary and secondary disk subsystems
- Allow for removal of duplicate writes within a consistency group before sending data to remote site
- Allow for less than peak bandwidth to be configured by allowing RPO to increase without restriction at peak times
- Provide consistency between System z and open systems data and between different platforms on open systems.



Metro / Global Mirror – Three-site synchronous and asynchronous mirroring Available on DS8000

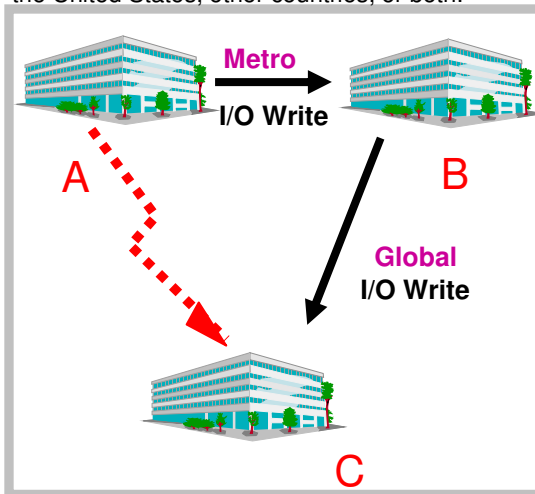
Designed to provide:

- Performance, scalability
 - Metro Mirror, Global Mirror
- Satisfy all 3-site requirements:
 - Fast failover / failback to any site
 - Fast re-establishment of three-site recovery, without production outages
 - Resynchronize any site with incremental changes only*
- Ease of use, autonomic, self-monitoring

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Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.



zOS Global Mirror -- Asynchronous mirroring for System z available on DS8000 and ESS 800

Designed to provide:

- Premium performance and scalability
 - Data moved by DFSMS™ System Data Mover (SDM) address space(s) running on z/OS.
 - Supports heterogeneous disk subsystems
- Unlimited distances
- Time consistent data at the recovery site
 - RPO within seconds
- Supports System z™ and System z Linux® data
- Over 200 installations worldwide
- 3-Site GDPS@/PPRC HyperSwap and GDPS/XRC "Multi-Target" Supported

Metro / zGlobal Mirror – Multi-Target (MzGM) - Three-site synchronous and asynchronous mirroring Available on DS8000

Designed to provide:

- Performance, scalability
 - Metro Mirror, zGlobal Mirror
- Satisfy all 3-site requirements:
 - HA and CA capability for Metro distance
 - Out of region DR with fast recovery
 - Resynchronize any site with incremental changes only*
- Ease of use, autonomic, self-monitoring

