

Partner Brief

Key Benefits

Massive Data Retention

> Data Domain can retain large amounts of TSM incremental or full backup data at the cost of tape and store them for months for less than \$0.35/GB.

Efficient Replication

> Eliminate tape, simplify/validate disaster recovery, and save money on bandwidth with up to 99% bandwidth reduction replicating TSM backup data using Data Domain storage systems.

Fast Data Recovery

> Data recovery on Data Domain systems is orders-of-magnitude faster than tape automation. With throughput rates up to 800GB/hr, data recovery is reduced from hours to minutes.

Data Invulnerability

> Restore backups and eliminate tape failures. Data Domain systems constantly check and verify that your TSM backup data is recoverable when needed.

Seamless Integration

> Data Domain plugs seamlessly into your current TSM backup environment requiring no changes to your existing network infrastructure or TSM backup policies.

IBM | System Storage Proven™

Ready for

IBM | **Tivoli**®
software

DEDUPLICATION STORAGE

IBM Tivoli Storage Manager and Data Domain

Optimize Fast, Reliable Backups and Replication in Your Data Center or Remote Office

IBM and Data Domain boast a proven track record in successful data protection for the enterprise. The combination of IBM Tivoli Storage Manager backup software and Data Domain Enterprise Protection Storage systems deliver the industry's most cost-effective, scalable, and highest-throughput data protection solutions on the market today. Data Domain optimizes storage capacity, making retention and replication of backup data extremely cost- and bandwidth-efficient by providing 20x data reduction. Enterprises can now retain months of full and incremental backup data in nearline storage, lowering the overall price/GB, accelerating data recovery and simplifying management.

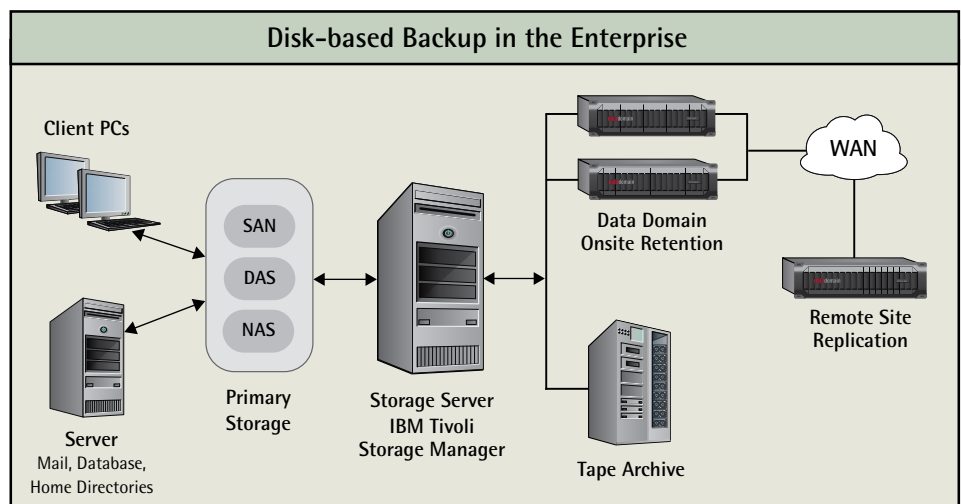
Data Domain's Data Invulnerability Architecture performs continuous data integrity verification to ensure that the data you backed up is actually recoverable. IT departments can expect a flexible backup and recovery environment that allows concurrent backups, recoveries and copy-to-tape.

Together, IBM and Data Domain improve onsite and offsite data protection by automating replication from site-to-site, speeding up copy-to-tape and leveraging your existing backup software environment, including tape devices.

IBM Tivoli Storage Manager (TSM) and Data Domain enable you to meet your demanding service levels for faster backups and restores and greatly improve your disaster recovery capabilities.

Use Data Domain protection storage systems in conjunction with IBM TSM to protect:

- Oracle and other databases
- Exchange and .PST files
- Home directories
- VMware .vmdk files
- Developer files such as ClearCase, CVS
- Enterprise applications such as CRM and ERP



IBM Tivoli Storage Manager and Data Domain	
Complementary TSM Features	Data Domain Customer Benefits
TSM recognizes Data Domain systems as a file device class sequential access storage pool	Easy for IT staff to integrate into current TSM environments that may include data center or remote office backup
TSM has the ability to perform progressive incremental, selective (full), adaptive sub-file, and image backups	With 20x data reduction - enabled through Global Compression technology - Data Domain systems can store many backups, enabling you to easily recover a file system dataset from a specific backup
File level recoveries on disk via TSM	Since file recoveries are five times more common than full system recoveries, file recoveries on Data Domain systems are orders-of-magnitude faster than tape automation. With throughput rates of up to 800 GB per hour, file recoveries are reduced from hours to minutes
TSM file device class allows concurrent access	Data Domain systems support simultaneous backup, recovery and copy operations
TSM allows copy/move-to-tape	Data Domain systems speed up copy-to-tape and ultimately complements your tape backup strategy
TSM enables end-user initiated restores using its easy-to-use GUI interface	Data Domain systems ensure fast end-user recoveries without impacting regularly scheduled backups
TSM provides media verification tools	Data Domain's Data Invulnerability Architecture automatically and continuously verifies that backup images are recoverable.

Data Domain

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