Easy to deploy data deduplication for improved backup and recovery operations

IBM System Storage TS7650 ProtecTIER Deduplication Appliance

Highlights

- ***Designed to improve backup and recovery operations***
- ***Helps protect valuable data more efficiently and reliability***
- ***Reduces operational costs and energy usage to save money***

The IBM System Storage™ TS7650 ProtecTIER® Deduplication Appliance is a preconfigured solution of IBM storage, IBM server and IBM's revolutionary ProtecTIER data deduplication software designed to improve backup and recovery operations. This is not just a bundle of components, but a truly integrated solution that makes it easy to harness the power of deduplication without making radical changes to the existing environment. The solution is available in four configurations designed to meet the disk-based data protection needs of a wide variety of organizations, from mid-sized IT environments to enterprise data centers.

The IBM System Storage TS7650 ProtecTIER Deduplication Appliance features:

- *IBM ProtecTIER software with patented HyperFactor® data deduplication technology*
- *IBM System x® server for enterprise-level performance*
- *IBM Storage Controller with highly reliable Fibre Channel drives*
- *Rack, cables, and other components needed to provide a complete solution*

The IBM System Storage TS7650 ProtecTIER Deduplication Appliance provides:

- *Up to 500 MB/sec or more inline data deduplication performance*
- *Up to 25 times or more storage capacity reduction*
- *Emulation of up to 12 virtual libraries, 256 virtual drives and 128,000 virtual cartridges*
- *Simplified configuration and deployment*

ProtecTIER's native replication technology enables virtual tape cartridges to be replicated to a remote location for enhanced disaster recovery and business continuity. By eliminating the need to physically transport actual tape cartridges, systems, storage and data can be recovered quicker and more reliably in the event of a disaster or major system outage. It also lowers the total cost of ownership of backup and recovery by eliminating the costs associated with moving and storing physical tape cartridges.

ProtecTIER Native Replication technology provides:

- *High-speed replication or "moving" of virtual tapes from primary to remote site*
- *Enterprise-class data integrity level on both sides*
- *Remote site can become primary site during "disaster"*
- *Cartridges can be cloned to tape at remote site*
- *Replication occurs concurrently with backup and inline deduplication*
- *Easy to use GUI based management & monitoring tools*

Deploying an IBM System Storage TS7650 ProtecTIER Deduplication Appliance can help organizations more efficiently protect their corporate data on disk-based storage while helping them manage the exponential growth of new data through reduction or elimination of duplicate data in their backups.

The IBM System Storage TS7650 ProtecTIER Deduplication Appliance is available in the following four configurations:

TS7650 ProtecTIER Deduplication Appliance – 7 TB Configuration

- Performance: Up to 100 MB/sec or more inline data deduplication
- Physical Capacity: 7 TB - Useable Capacity: 175 TB*
- Simplified deployment

A value based configuration that delivers fast inline data deduplication performance and scalability

TS7650 ProtecTIER Deduplication Appliance – 18 TB Configuration

- Performance: Up to 250 MB/sec or more inline data deduplication
- Physical Capacity: 18 TB - Useable Capacity: 450 TB*
- Flexible and scalable growth to 36 TB

A flexible solution that delivers fast inline deduplication performance and future capacity scalability

TS7650 ProtecTIER Deduplication Appliance – 36 TB Configuration

- Performance: 500 MB/sec or more inline data deduplication
- Physical Capacity: 36 TB - Useable Capacity: 900 TB*
- Up to nine times faster than the competition

Delivers the industry's fastest single-node data deduplication performance and large capacity for enterprise-class IT organization with significant backup and recovery work loads

TS7650 ProtecTIER Deduplication Appliance – 36 TB Dual-node Cluster Configuration

- Performance: Up to 500 MB/sec or more inline data deduplication
- Physical Capacity: 36 TB - Useable Capacity: 900 TB*
- High Availability

A dual-node cluster configuration that delivers the industry's fastest inline data deduplication performance, high availability, and large useable capacity for demanding high-volume backup environments

Additionally, IBM Global Financing can tailor financing solutions to your specific IT needs. For more information on great rates, flexible payment plans and loans, and asset buyback and disposal, visit: **ibm.com**/financing

For more information

To learn more about the IBM System Storage TS7650 ProtecTIER Deduplication Appliance, please contact your IBM marketing representative or IBM Business Partner, or visit the following Web sites:

- The TS7650 ProtecTIER Deduplication Appliance Web page: **ibm.com**/systems/storage/tape/ts7650a
- The main ProtecTIER Deduplication Web page: **ibm.com**/systems/storage/tape/protectier

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* Based on deduplication ratio of 25:1

Recyclable, please recycle.

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