DXi9000 Series User's Guide

The DXi9000 Series is Quantum's Enterprise disk backup solution that integrates data deduplication, replication, and direct tape creation technology to connect backup and disaster recovery protection across distributed corporate environments. The DXi9000 Series disk-based backup appliance uses Quantum's patented data deduplication technology to increase disk capacities by 10 to 50 times, and make WAN replication a practical, cost-effective part of disaster recovery planning. Scalable to 1020 TB usable capacity, the DXi9000 Series is designed for larger sites and corporate data centers.

Advanced Data Deduplication Increasing Disk Retention for Backup Data

The DXi9000 Series leverages Quantum's data deduplication technology to dramatically increase the role that disk can play in the protection of critical data. With the DXi9000 Series solution, users can retain 10 to 50 times more backup data on fast recovery disk than with conventional arrays.
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Remote Replication of Backup Data Providing Automated Disaster Recovery Protection

With the DXi9000 Series, users can transmit backup data from a remote site to a central, secure location to reduce or eliminate media handling. DXi™-Series replication is asynchronous, automated, and operates as a background process.
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Enterprise Features Provide Secure Repository

With up to 1020 TB usable capacity, the DXi9000 Series supports large-scale Enterprise environments. Presentations include both VTL (Fibre Channel) and NAS (CIFS/SMB) as well as Veritas OpenStorage (OST) and Oracle® Recovery Manager (RMAN). Integrated tape creation writes physical media directly over dedicated Fibre Channel connections, and supports ISV direct tape creation in NetBackup, Backup Exec, Oracle Secure Backup, and Atempo Time Navigator.

DXi Accent distributes deduplication between the DXi9000 Series and the backup server to accelerate backups over bandwidth-constrained networks.

In addition, DXi9000 Series systems optionally support Data-at-Rest Encryption to secure all data stored on the DXi9000 Series. Data-at-Rest Encryption ensures that a hard drive that is physically removed from the DXi9000 Series cannot be read using another system or device.
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DXi Usage Scenarios

DXi storage presentations are optimized for backup usage rather than file sharing. Backup application usage is typically characterized by:

- Aggregated name spaces and file contents.

- Limited direct, active file access.

- Limited browsing, scanning, or stating.

- Limited metadata manipulation (including rename).

Note: Usage diverging from these characteristics must be qualified to ensure acceptable behavior with respect to functionality, performance, replication, and recovery.

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