

Quantum for Veritas

Veritas OST-Controlled Variable-Length Deduplicated On-Premise and Off-Site Storage

- Fully supports NetBackup/Backup Exec features (and more) to maximize availability
- Scales with you as your business and data grows—from terabytes to petabytes
- Protects your data from data loss, disaster, and ransomware using the 3-2-1 best practice approach
- Delivers maximum uptime/availability with minimum backup costs

COMPONENTS



DXi® Deduplication Appliances

Fully supporting OpenStorage Technology (OST) and other protocols, DXi inline variable deduplication appliances maximize NetBackup performance and data reduction.



Scalar® Tape Storage

Provides offline backup copy for protection against ransomware and long-term retention.

SUPPORTED VERITAS FEATURES

- OST
- OST to AWS
- Auto Image Replication (AIR)
- Accelerator
- Accelerator NDMP
- Accelerator for VMware
- Direct Copy Shared
- Granular Recovery
- Granular Recovery Technology (GRT) for VMware
- Instant Recovery (IR) for VMware
- Key Management Service (KMS)
- Optimized Duplication
- Optimized Synthetic Full Backups

BENEFITS

Complete End-to-End Solution

Quantum offers full-stack hardware following the 3-2-1 best practice approach for data protection (3 copies, 2 different media, 1 copy off-site/offline).

Protection Against Ransomware

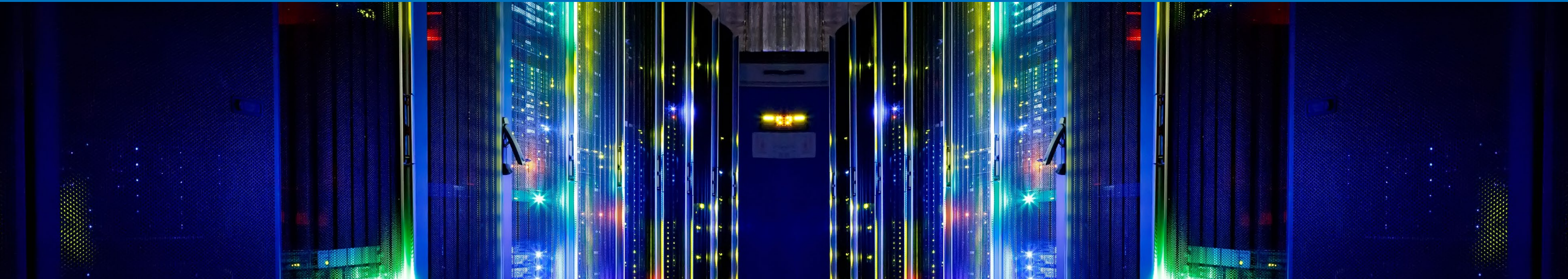
Tape is a “ransomware-free zone.” With the easy-to-use Path-to-Tape feature, backup data is written directly from the DXi appliance to an attached tape library without sending the data back through a media server.

Fast Deduplication to Maximize Data Reduction

High-performance patented variable-length deduplication supports up to 768 concurrent backup jobs.

Beyond Ordinary OST Integration

Quantum has added unique features that go beyond OST for NetBackup environments.



WHAT MAKES QUANTUM UNIQUE FOR VERITAS ENVIRONMENTS

DYNAMIC APPLICATION ENVIRONMENT SUPPORT

The DXi Dynamic Application Environment (DAE) enables the installation of a KVM hypervisor to support virtual machines running many different operating systems on DXi appliances.

DXi supports Veritas NetBackup running in DAE for customers who wish to save money and data center space by eliminating the need to deploy a separate server to run their backup application. Customers may run NAS and OST backups directly from their DXi appliance running NetBackup within the DAE.

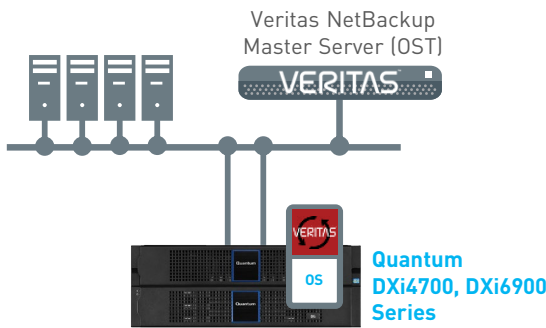
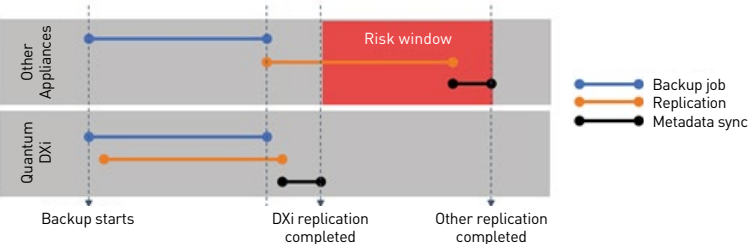
DISTRIBUTED DEDUPLICATION AND ACCELERATOR WITH DXi ACCENT

DXi Accent™ software allows the media server to collaborate in the deduplication process, offloading part of the data reduction activity, so that only unique blocks are sent over the network to the DXi appliance. This distributed approach provides faster backups over bandwidth-constrained LANs or WANs. DXi Accent can be enabled or disabled on a per-media server basis, and is supported both on local servers and on remote, WAN-connected media servers where it can provide an alternative to a local backup device. Initial support for DXi Accent is provided through the NetBackup OpenStorage OST API.

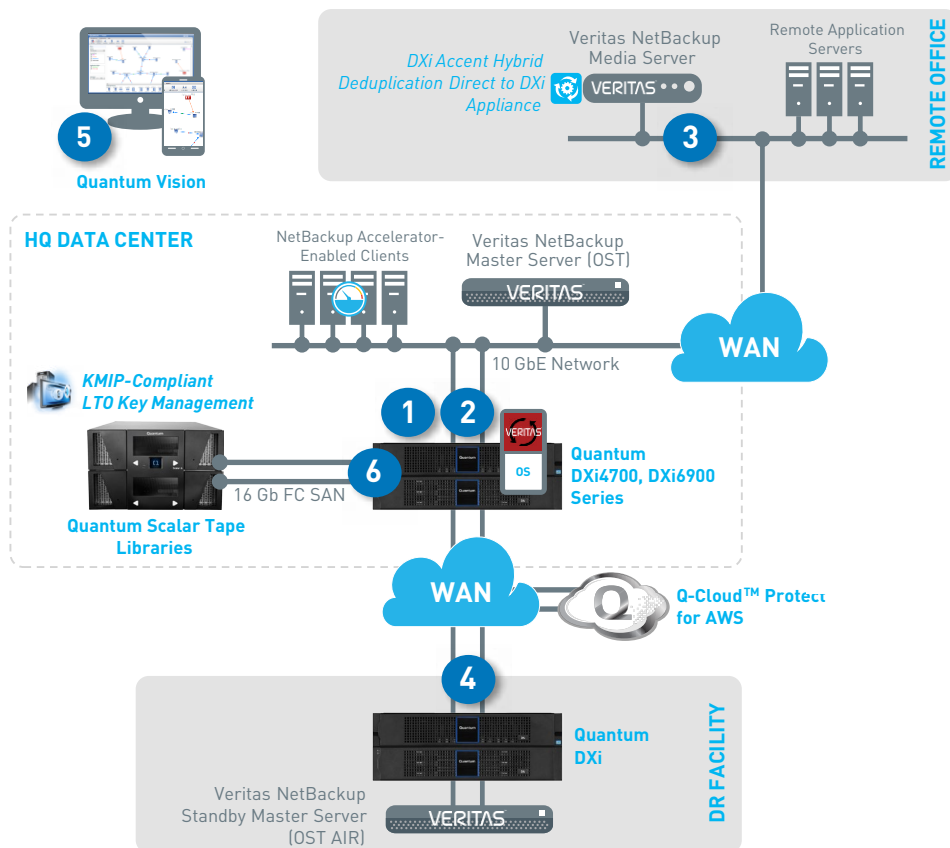
NetBackup Accelerator provides full backups for the cost of an incremental backup. It creates a full backup by sending incrementals only, improving the backup window and reducing the network/client load. DXi Accent combined with Accelerator moves bandwidth and resources savings to the next level of efficiency.

CONCURRENT OPTIMIZED DUPLICATION

This unique feature reduces the time to complete an OST image replication (supports OST Optimized Duplication and OST AIR). DXi Concurrent Optimized Duplication begins copying image content to a remote target DXi while OST backup ingest is occurring—reducing the “risk window” while improving your disaster recovery strategy.



ARCHITECTURE AND BENEFITS OVERVIEW



- 1. Deduplication**
Quantum variable block deduplication delivers 3x superior capacity optimization than fixed-block.
- 2. Media Server Integration**
Distributed Application Environment (DAE) provides virtual hosted environment, supporting Veritas Media Server on DXi.
- 3. NetBackup OST Support**
DXi supports optimized synthetic full backup creation and DXi Accent hybrid deduplication.
- 4. Concurrent Optimized Duplication (OpDup)**
DXi can send replicated content immediately as new data is stored during backup, without waiting for the backup to complete—resulting in a DR copy in a shorter timeframe.
- 5. Advanced Reporting and Quantum Vision®**
Integrated reporting makes management easy as well as enables “chargeback” options.
- 6. Direct Path-to-Tape**
DXi can write images directly to Fibre Channel attached tape libraries without routing through a media server.

THREE POWERFUL, BUT SIMPLE TAKEAWAYS

DXi Integration With OST API

DXi deduplication appliances support most advanced OST features, and can even go beyond with unique features such as Concurrent Optimized Duplication or Path-to-Tape.

All-In-One Appliance

Leverage the DXi patented variable block length deduplication algorithm in an all-in-one appliance that can run a Veritas Media Server inside the appliance. DXi is the ideal solution for remote offices or to save data center space.

End-to-End Data Protection

Quantum offers all the solutions to fully protect your data and make your Veritas environment rock solid, from deduplicated disk to cloud and tape with a single reporting interface.

ABOUT QUANTUM

Quantum is a leading expert in scale-out tiered storage, archive, and data protection, providing solutions for capturing, sharing, and preserving digital assets over the entire data lifecycle. From small businesses to major enterprises, more than 100,000 customers have trusted Quantum to address their most demanding data workflow challenges. Quantum's end-to-end, tiered storage foundation enables customers to maximize the value of their data by making it accessible whenever and wherever needed, retaining it indefinitely and reducing total cost and complexity. See how at www.quantum.com/customerstories.