

Simplify Management and Monitoring

Comprehensive and intuitive management tools enable precise business decisions and speed resolution time

For most companies, data growth outpaces the ability to grow the resources assigned to manage such growth. This management challenge exacerbates a larger issue with customers' environments; how much of their precious and limited time is spent monitoring and managing the environment, and at the expense of other, more strategic projects? As multiple products and solutions are deployed to help corral this data growth, the management aspect can become an afterthought and inevitably cost the organization money. With Quantum DXi® deduplication backup appliances, management is an integral part of the solution.

Quantum's simple, comprehensive management solution—iLayer™ for DXi—is included in every DXi deduplication backup appliance and reduces overall OPEX, management time, and unpredictability associated with other backup appliances and self-monitoring tools.

ON-BOARD INTELLIGENCE FOR SMARTER OPERATIONS AND LOWER OPERATING EXPENSES

Deduplication is a process that is hard to do well, and without the right management tools, can become very overwhelming to manage on a daily basis and long term. Quantum iLayer Management for DXi, included in every system, takes the guesswork out of management and puts control back into the customer's hands. DXi Advanced Reporting provides more details for better operation, and extended trend analysis for smarter planning (including predictability, CPU usage, network traffic and trend analysis for up to 6 years), resulting in lower long-term costs. The reporting capabilities don't stop there. With Advanced Reporting, detailed and comprehensive on-demand reports are sent through a browser via email. These include detailed graphs with up-to-the-minute stats on everything including, but not limited to, capacity utilization, network and HBA activity, data and system disk activity, CPU load, and replication and space reclamation activity. As with any deduplication backup appliance, capacity planning is key to a successful reduction in costs. With DXi Advanced Reporting, up to six years of data is compiled to provide the customer with concise capacity planning tools, allowing proactive future deployment options and eliminating unplanned expenses. DXi Advanced Reporting allows for active monitoring of the system with easy-to-read-and-understand active alerts, improves reliability, and dramatically speeds resolution time.



iLAYER MANAGEMENT FOR DXi

- **Status-at-a-Glance** | Provides global status so you can be confident that your disk- and tape-based systems are operating as they should
- **Performance Optimization** | Captures and stores the performance data you need to optimize configurations for fastest backup, restore, and replication
- **Smart Capacity Planning** | Administrators save money by monitoring usage trends and purchasing additional capacity only when necessary
- **Automatic Reporting** | Automatically delivers comprehensive reports to save administrators time and effort

SIMPLIFIED DEPLOYMENT AND MANAGEMENT THROUGH STEP-BY-STEP CONFIGURATION WIZARDS

When it comes to deploying DXi deduplication backup appliances, enterprise data protection doesn't come with the cost of being difficult to deploy, configure, or manage. Inherent to the DXi family are easy-to-use, step-by-step deployment and configuration wizards that speed up setup, but simplify daily management tasks. With easy wizard-driven network configuration for OST, VTL, NAS, VLANs, Port Bonding, Round Robin, and up to three layers of DNS IP addressing, iLayer Management for DXi has eliminated the difficulty in networking configuration. Replication configuration and operation management is also dramatically simplified with iLayer Management for DXi with advanced user-friendly configuration and monitoring of replication events. The Replication reporting shows the location of the target DXi list along with a list of NAS, OST shares, and VTL partitions, culminating with details regarding every replication job process.

PROACTIVE MONITORING AND REMOTE TROUBLESHOOTING REMOVES STRESS

StorageCare® Guardian is agent software linking Quantum products back to Quantum support, enabling remote service and administration. StorageCare Guardian employs web-architected interfaces for remote device administration, desktop sharing, diagnostics, and data visualization, giving Quantum support personnel web-based information access from anywhere in the world. The StorageCare Guardian agent software monitors devices locally and manages Internet communications with the Quantum Enterprise server allowing communications and control. StorageCare Guardian communicates with the Quantum devices at the customer site on a regular basis, checking the status of key data elements that provide a picture of the health of the devices and enabling immediate troubleshooting by a Quantum Tech Support Expert. We keep an eye on your stuff so you don't have to—now that's customer service.

RICH AND INTUITIVE CENTRAL MANAGEMENT FOR ALL QUANTUM DEVICES

Vision® software simplifies multi-site data protection by providing global management of Quantum disk and tape systems through a single console, using at-a-glance status and automatically generated alerts to provide an overview of all systems. The Vision software management tool extends the iLayer Management for DXi capabilities, including the DXi predictor tool; capacity upgrade estimator; and overall health of all DXis in the environment, regardless of physical locations, with topology-based "click-and-drill" functionality. For those customers—whether public or private cloud service providers—tasked with reporting in a "chargeback manner", Vision with DXi allows the creation of comprehensive reports showing overall usage of DXi and how much a specific customer is backing up at any given point in time.

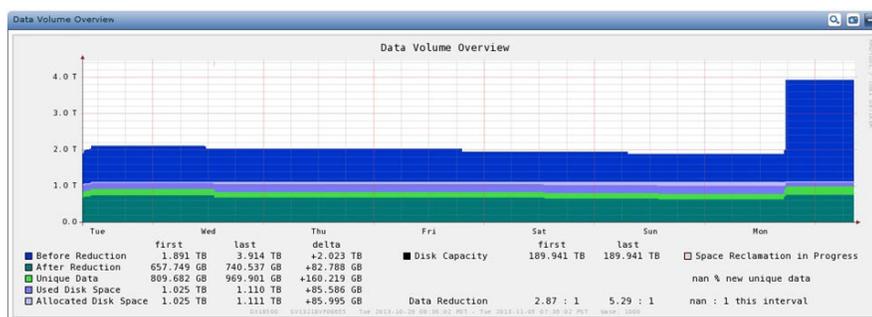


Figure 1. Screenshot of DXi Advanced Reporting

ABOUT DXi DEDUPLICATION BACKUP APPLIANCES

- Patented variable-length deduplication reduces data by up to 90%
- Capacity-on-Demand scale from 1TB-7.7PB with virtual or physical appliances
- Highest performance with storage-tuned architecture using StorNext high-performance file system
- Proactive and comprehensive management using iLayer software
- Hardware-based military-grade encryption provides security without sacrificing performance

ABOUT QUANTUM

Quantum is a leading expert in scale-out storage, archive and data protection, providing solutions for sharing, preserving and accessing 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. With Quantum, customers can "Be Certain" they have the end-to-end storage foundation 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.

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