Quantum.

DXi CLOUD SHARE

ARCHIVE EFFICIENT, DATA-REDUCED BACKUPS TO CLOUD TARGETS

BENEFITS TO YOUR BUSINESS

DXi Cloud Share efficiently archives DXi-resident backup data sets to public and private storage clouds for long-term retention.

Dramatically Lower Backup and Recovery Costs

Cloud Share saves on ongoing cloud storage fees, egress fees, and connectivity costs by dramatically reducing cloud storage footprint and network usage by up to 70X*.

Easily Meet Retention Requirements

Simply automate migration according to schedules and policies that you set, aligned with your existing backup workflow.

Reduce Cyber Risks Threatening Your Business

Affordably retain a deep history of backup copies offsite for added protection against ransomware and other cyber-crimes.

Multi-Layered Protection at No Additional Charge

Unlike other vendors, Cloud Share is a standard feature of the DXi all-inclusive software license. Cloud Share effectively triples the total usable capacity under management of your installed DXi system.

Reduce Costs and Minimize Business Risks With the Efficient Use of Cloud Storage
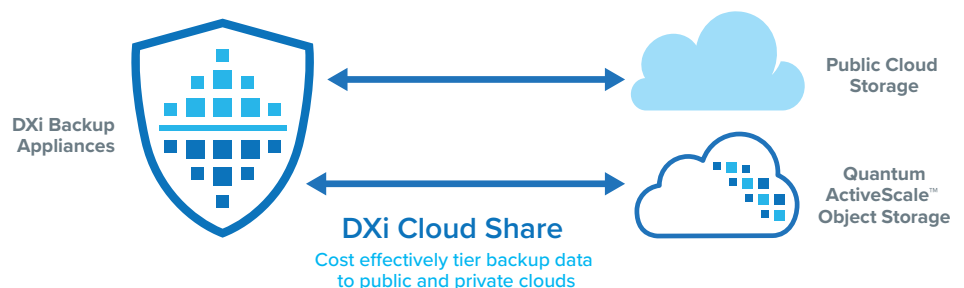
Protecting data across the enterprise continues to get more complex as massive data growth exacerbates ongoing needs to protect data across sites, recover from ransomware and other disasters, and manage and retain backup histories. Quantum DXi®-Series backup appliances are uniquely powerful solutions for meeting these needs. This technology brief describes Cloud Share, a standard feature of DXi appliances, and how it enhances data protection, reduces overall costs, and addresses long-term retention needs.

Cost-Efficient Cloud Archiving With Cloud Share

DXi backup appliances are powered by Quantum's industry-leading inline data reduction technologies, providing a highly optimized and efficient local storage target for backup and recovery applications. Now, Cloud Share extends DXi appliances into the cloud with the abilities to easily archive, manage, and optimize backup data sets in the cloud. By intelligently tiering data to the cloud, Cloud Share dramatically reduces network bandwidth needs, storage costs, and egress fees. Cloud Share is the most efficient way to employ cloud storage for backup data, lowering overall cloud costs by up to 70X.*

Cloud storage can be a simple way to archive offsite data copies for added protection and compliance with in-house and regulatory data retention requirements. With Cloud Share, data sets archived to the cloud are managed by the local DXi appliance and transparently hosted in a cloud-based storage target. With Cloud Share, DXi's total capacity under management triples, providing a powerful solution for managing local backups, archived data, and a history of backup data sets.

DXi deduplicates the data locally, and then only transmits unique blocks to the cloud, saving on bandwidth and storage footprint. Data restores back to the local DXi are also optimized. When restoring from a Cloud Share, locally stored duplicate blocks are utilized, so only unique blocks are downloaded from the cloud, saving on network bandwidth, and API and egress charges.

DXi Backup Appliances

Public Cloud Storage

Quantum ActiveScale™ Object Storage

DXi Cloud Share
Cost effectively tier backup data to public and private clouds

Realized rates will vary depending on the specific data and workload characteristics. Based on internal field data of actual customer deployments, data reduction rates can be as high as 70X.

HIGHLIGHTED FEATURES

DXi Cloud Share is a bundled feature of DXi appliances allowing you to archive backup data sets to the cloud for long-term retention.

Fast, Efficient Tiering

With DXi data reduction techniques, only unique and changed blocks are transmitted and stored in the cloud, minimizing cloud storage and network bandwidth usage.

Inline, Variable-Length Deduplication and Compression

All backups are data-reduced at time of ingest for streamlined efficiency across all downstream workflows, including Cloud Share.

Policy-Based Workflow Scheduling

Tiering schedules are easy to define for simple, streamlined operations.

Consolidated View of Backup Data

View and peruse your backup data irrespective of the data's locality, whether stored locally or in the cloud.
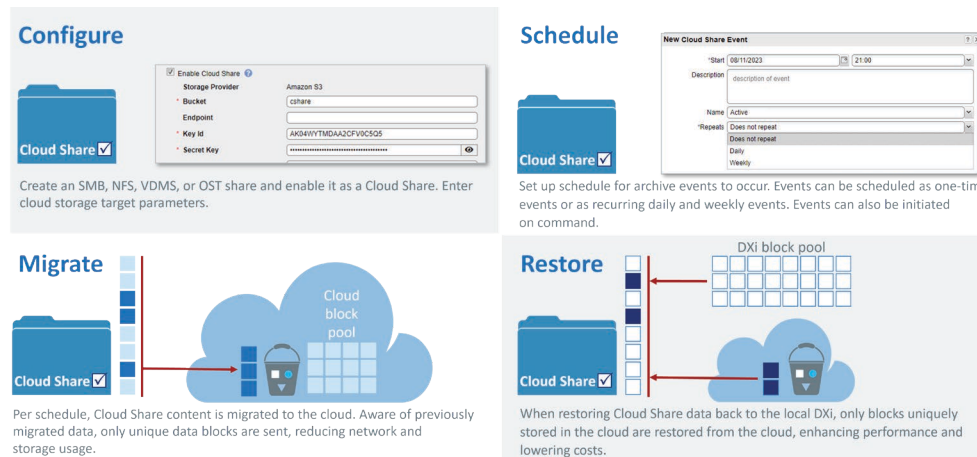
Support of Multiple Protocols

Cloud Share is available for SMB, NFS, VDMS, and OST shares.

Private and Public Cloud Target Support

Qualified cloud targets include AWS S3 Storage Services, Quantum ActiveScale Object Storage, and Quantum Object Storage Services.
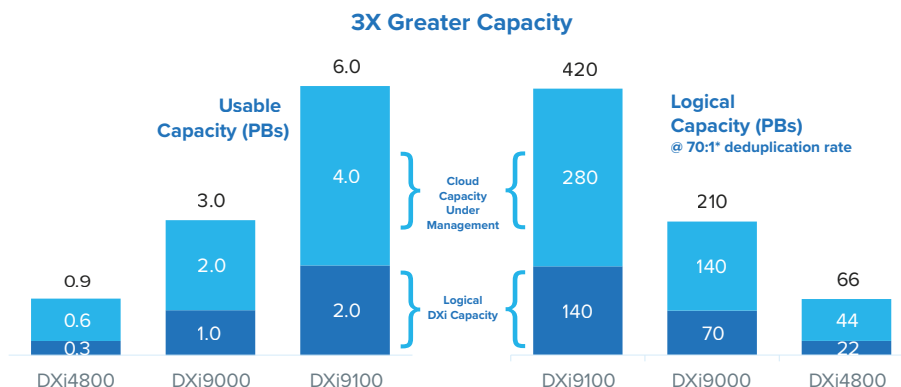
How DXi Cloud Share Works

DXi appliances present storage to backup software as a mountable NAS share or through an application-specific addressable share, such as VDMS or Veritas OST. Cloud Share is a share that is enabled to include a cloud target. Backup data sets written to the share are tiered to the cloud target identified. Data can be read and written into a Cloud Share manually by a DXi administrator or periodically with 3rd party backup software. Data in the Cloud Share is archived to its defined cloud storage destination on command or according to periodic schedules defined by the administrator using a built-in scheduler.

Configure

Create an SMB, NFS, VDMS, or OST share and enable it as a Cloud Share. Enter cloud storage target parameters.

Schedule

Set up schedule for archive events to occur. Events can be scheduled as one-time events or as recurring daily and weekly events. Events can also be initiated on command.

Migrate

Per schedule, Cloud Share content is migrated to the cloud. Aware of previously migrated data, only unique data blocks are sent, reducing network and storage usage.

Restore

When restoring Cloud Share data back to the local DXi, only blocks uniquely stored in the cloud are restored from the cloud, enhancing performance and lowering costs.

Simple Management from Terabytes to Petabytes

DXi Cloud Share is a powerful solution for increasing data protection, reducing cloud spend, and simplifying your backup environment. With its ability to configure and manage cloud storage capacities up to twice the size of the DXi licensed local capacity, Cloud Share triples total capacity under management, expanding the role of DXi appliances to be a key enabler of simple, low-cost archiving and retention of backup data sets.

3X Greater Capacity

Usable Capacity (PBs)

	DXi4800	DXi9000	DXi9100
	0.9	3.0	6.0
Cloud Capacity Under Management	0.6	2.0	4.0
Logical DXi Capacity	0.3	1.0	2.0

Logical Capacity (PBs) @ 70:1* deduplication rate

	DXi9100	DXi9000	DXi4800
	420	210	66
	280	140	44
	140	70	22

With Cloud Share, DXi appliances scale from 300 TBs to 6 PBs of total usable capacity under management. When considering logical capacity, DXi appliances now scale from 22 PBs to 420 PBs logical capacity under management at a ratio of 70:1*.

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