Quantum DX*i* V2000:
Edge-to-Core-Based Data Protection

DX*i* V2000

THE CHALLENGES CUSTOMERS FACE TODAY

Customers know and understand the value of deduplication from a disk reduction and efficiency standpoint, but they may have struggled with the rack space, power and cooling cost and overall high barrier to entry of a physical appliance. Customers also see the benefits of now having a Disaster Recovery (DR) solution that they so desperately needed and previously felt was cost prohibitive. The DXi® V2000 from Quantum brings all the benefits and feature richness of a deduplication solution, into an affordable all-software all-virtual appliance model that can integrate with customers' existing environment simply, easily and quickly. DR is now within reach for any size organization.

THE SOLUTION

The DXi V2000 takes all the advantages of deduplication (DR and high disk efficiencies) into a lightweight elegant virtual appliance model, completely optimized for your virtual environment, and takes advantage of all the inherent values of being a virtual appliance. The V2000 scales from 1 to 8TB usable capacity, which can store up to 160TB of data with standard deduplication rates. This is very powerful in a lightweight small footprint solution that can take advantage of virtual appliance attributes and be deployed in a matter of minutes versus hours or days. The DXi V2000 has an extensible architecture allowing complete data protection for your traditional, virtual and cloud-based environment.

EDGE-TO-CORE-BASED DATA PROTECTION

Many customers have remote sites with a data center that is highly utilized. At those remote sites customers typically use tape or a disk-based solution, possible with some intelligence. So how can a customer update this scheme and bring in some intelligence to a remote site? This particular use case is an edge-to-core design or private cloud model, where a customer has some remote sites and a WAN link to the data center.

SOLUTION BENEFITS

- Value of variable-length deduplication in an affordable virtual appliance model
- Exploits simplicity and flexibility of virtual appliances
- Easy integration into existing infrastructure
- Leverages efficient replication for Disaster Recovery for any size organization
- Includes all DXi features and licensing for simplicity and highest ROI

DXi V2000 Use Cases

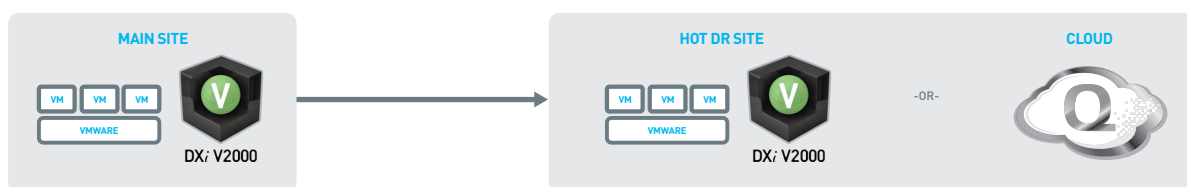*Figure 1. Regional Edge-to-Core.*

Figure 2. Small Site DR:
DXi V2000 is perfect for small sites with 5 to 10TB of data to protect.

By deploying the DXi V2000 at the remote site as a virtual appliance, the customer can then choose one of the physical DXi appliances for their data center site and replicate from the DXi V2000 to the physical DXi appliance. The customer will have local copies at the remote sites, so fast restores can be done at the remote sites, and reliance on a large telco connection between the sites is not necessary since only unique blocks are sent over.

This also could be the basis for a private cloud model that customers are investigating. Given the DXi V2000 is a DXi, DXi-to-DXi replication is deployed and customers can now have a complete Disaster Recovery solution for their remote sites while still retaining the ability to have fast local restores at the remote site. Utilizing Quantum's Vision® management platform, customers can easily manage multiple instances of DXi V2000, and also the physical DXi at the data center and any Quantum tape libraries that may be resident in the environment.

To contact your local sales office, please visit:
www.quantum.com.

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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