

CASE STUDY

BackBox® with Integrated QoreStor®

The Challenge

Immediate Backup Solution Replacement

A leading enterprise faced an urgent need to replace its existing backup solution to ensure uninterrupted data protection and operational continuity. With critical systems relying on HPE NonStop environments, the organization required a seamless transition to a new solution without compromising performance or security.

These were some key requirements that they needed fulfilled from their new Backup solution:

» Robust Data Replication

Reliable and consistent replication between geographically dispersed sites to maintain data integrity and enable rapid recovery in case of failure.

» Locally Managed Storage

Efficient management of locally attached storage through a Virtual Tape Controller (VTC) to simplify operations and enhance backup performance.

» Advanced Data Encryption

End-to-end encryption for data both at rest (within the VTC) and in transit (during cross-site transfers) to meet stringent security standards and protect sensitive information.

» Resilient Connectivity

High-availability connections to multiple HPE NonStop systems via multiple Fibre Channel (FC) interfaces, ensuring continuous access and fault tolerance.

» Rapid Deployment and Ongoing Support

An accelerated implementation timeline with on-site installation, configuration, and training support. Sustained maintenance and updates, ideally provided through HPE, to guarantee long-term reliability and operational efficiency.

The Solution

Comprehensive Backup and Storage Infrastructure

To meet these demanding requirements, the organization deployed a robust backup and storage solution--- ETI-NET's BackBox® with Integrated QoreStor®. This implementation provided seamless data protection, advanced storage management, and secure, high-speed connectivity across their HPE NonStop environments.

Production Solution Overview:

» Virtual Tape Controllers (VTCs)

Four VTCs were deployed on HPE ProLiant servers, providing high-performance emulation and seamless management of backup operations.

» Storage Capacity

64TB of locally integrated storage, enabling rapid access to critical backup data while supporting long-term data retention.

» Software Deployment

BackBox (VTC Management Console & User Interface) operates within a Windows environment, while QoreStor runs as a virtual machine (VM) on a Hyper-V platform, ensuring efficient use of existing infrastructure.

» Connectivity

Each appliance features six Fibre Channel (FC) connections, enabling resilient, high-speed communication with multiple HPE NonStop systems.

» Access Management

Windows Virtual Desktop Infrastructure (VDI) facilitates secure and controlled access to BackBox, QoreStor, and NonStop environments for authorized personnel.

» Remote Monitoring

HPE Integrated Remote Support (IRS) provides continuous infrastructure monitoring for each VTC, allowing proactive issue detection and streamlined maintenance.

The Result

Rapid Deployment, Cost Savings, and Enhanced Security

The implementation of BackBox® with Integrated QoreStor® delivered significant benefits, ensuring a smooth transition while enhancing operational efficiency and security.



When my customer had an issue with their Backup vendor going out of business, we knew from experience that the ETI-Net/HPE BackBox solution would be a great fit. The support we had from both ETI-Net and HPE Services Technical Consultants made the transitions to BackBox quick and painless and the benefits of QoreStor surpassed our expectations."

- Iain Liston-Brown, HPE NonStop Presales

» Simple Installation & Fast Deployment

The solution was selected, ordered, installed, and deployed across four VTCs and 12 NonStop systems within a single quarter.

» Optimized Storage Efficiency

The organization achieved an 88% reduction in data, significantly minimizing storage requirements and improving backup performance.

» Improved Support & Maintenance

The common platform for VTC and storage simplified administration, while enhanced remote monitoring capabilities enabled faster, more streamlined support.

» Substantial Cost Savings

The common architecture for VTC and storage reduced infrastructure costs, while the intuitive GUI streamlined system management.

» Enhanced Security

Built-in encryption protected data both at rest and in transit, ensuring compliance with stringent security policies.



The results of the project have been very successful; there were minimal issues encountered – very light touch. The BackBox-QoreStor de-duplication and compression delivers significant storage savings"

- Sr. NonStop IT Director

About the Company

This company is a global technology enterprise operating within the financial services sector. It facilitates electronic transactions across a vast network, connecting consumers, financial institutions, merchants, and governments. Their core business revolves around the processing of payment transactions, offering a range of payment solutions and related services. They are known for their established brand and extensive infrastructure that enables secure and efficient monetary exchanges worldwide.

About ETI-NET

ETI-NET is the worldwide leader in managing critical data and NonStop management operations for industries that never stop. We develop software which allows NonStop servers to access modern technologies. Now in our third decade of operation, ETI-NET is renowned for delivering leading-edge components to major data centers globally.

For over 25 years, hundreds of the world's largest companies have been relying on ETI-NET software due to our unique expertise, impeccable track record and reputation for excellence.