High Availability with Cross-Site HA Cluster

Continuous Service for Webcast Operations

Challenge
To ensure uninterrupted 24×7 live streaming, storage capable of delivering 10 GB/s throughput and 500K IOPS for hundreds of concurrent 4K streams

Solution
Deployment of the **Infortrend EonStor GS 3024UT** hybrid flash system in a cross-site high-availability (HA) architecture, leveraging NVMe SSDs and dual controllers for consistent low-latency performance

Result
A resilient and always-on webcast platform that supports mission-critical financial events with seamless reliability

Challenge

A leading capital market webcast and investor communications provider helps publicly listed and financial-sector organizations communicate with investors, analysts, and stakeholders through professional online broadcasting and digital engagement tools. It provides financial news, live roadshows, investor engagement, and enterprise communication solutions. Its core business relies on uninterrupted webcast and live-streaming platforms that must remain continuously available 24×7. Any service interruption could incur significant reputational damage and financial loss.

As the volume of financial events and roadshows continues to grow, the company requires a next-generation storage infrastructure capable of sustaining **10 GB/s throughput** and **500K IOPS**, supporting up to 800 concurrent 4K streams with consistent low latency. At the same time, the platform needs to handle uploads, indexing, and other random I/O operations.

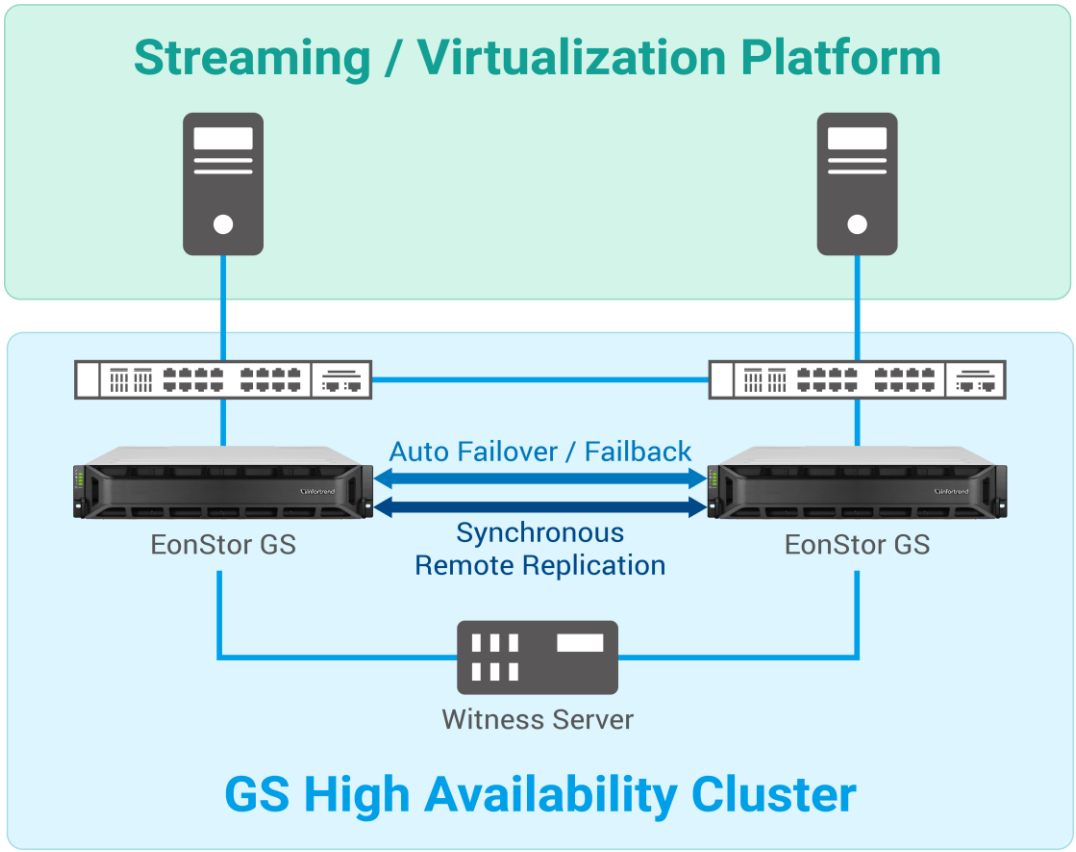
The primary challenge lies in designing a highly available, cross-site, and high-performance storage infrastructure that guarantees near-zero downtime while supporting both present and future workloads.

Solution

To meet these requirements, the company deployed two units of **Infortrend EonStor GS 3024UT** with a cross-site **high availability (HA)** storage architecture.

Powered by NVMe SSDs, the system provides ultra-high throughput and IOPS, ensuring seamless handling of multiple concurrent streaming sessions.

The solution supports the company's virtualization and streaming platforms through Fibre Channel SAN, ensuring consistent low-latency performance. Its dual controller design eliminates single points of failure, while the cross-site HA cluster guarantees continuous access to data, protecting against complete system failures or site disasters.



Solution Benefits

- **Continuous service availability**
  Dual-controller redundancy and cross-site HA architecture ensure true 24×7 uptime, protecting live events and corporate communications from costly downtime.
- **High performance for streaming workloads**
  Optimized NVMe storage delivers 10 GB/s throughput and 500K IOPS, enabling smooth video delivery, rapid data processing, and seamless handling of concurrent streaming sessions.

Conclusion

The cross-site high-availability cluster powered by Infortrend **GS 3024UT** enables the service provider to deliver impeccable always-on webcast experiences. The solution not only ensures uninterrupted service for live financial events but also provides the capacity needed to meet future demand. With Infortrend, the service provider delivers reliable, real-time engagement and maintains its leadership in the fast-moving capital-market communications sector.

Additional Information

Find out more about **HA cluster**, our **EonStor GS** family, or view the **GS 3024UT** specifications.

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