

High Performance Work Flow Storage with Near Limitless Scalability and Data Longevity

Tiger Technology and HYDRAsstor



At a Glance

- **End-to-End Workflows:** Complete workflow including storage, networking, sharing, project management, and life-cycle management capabilities
- **Storage Cost Optimization:** Enable fast data access and automatic archiving of aged data to HYDRAsstor without any need for archiving software using Tiger's simple yet powerful front end
- **Scalability and Performance:** Leveraging HYDRAsstor's grid based storage you have flexibility to grow from 1 to 165 nodes with 11.8 PB RAW capacity
- **Data Protection and Disaster Recovery:** Supporting up to 6 concurrent disk/node failures, encryption, WORM file system and disaster recovery with WAN-Optimized replication by HYDRAsstor
- **In-place technology refresh:** Supporting multi-generation HYDRAsstor nodes to support forever archive with no-forklift upgrade

Overview

Reducing the cost and performance bottlenecks while managing the exponential data growth with development of 4K and 8K media assets is the key challenge in the Media and Entertainment industry. More than ever there is a focus on managing the archive data effectively to ensure enough space is available on online shared storage resources to keep up with data growth and performance requirements.

With traditional solutions it is difficult to get fast online access to archive media assets while manually managing complex archiving software results in higher costs and time.

Tiger Technology + NEC's HYDRAsstor active archive solution

Tiger Technology is the leading provider of high-performance shared storage workflow solutions that maximize capability, performance and value, for rich media and enterprise applications. They include simple project, media and data management workflow tools for shared storage (SAN, NAS) administration, clustering, pooling, hierarchical storage management and tiering, for use with enterprise data, editorial, visual effects and animation, and surveillance and medical applications.

NEC and Tiger joint solution provides storage workflow that maximizes capability, performance and value, for rich media and enterprise applications. With seamless integration of Tiger Technology's offerings including Tiger Box and Tiger Serve with NEC HYDRAsstor, the data lifecycle can be easily managed at lower cost and provides benefits of faster data access, near infinite scalability, advanced level data protection and business continuity in case of disaster.

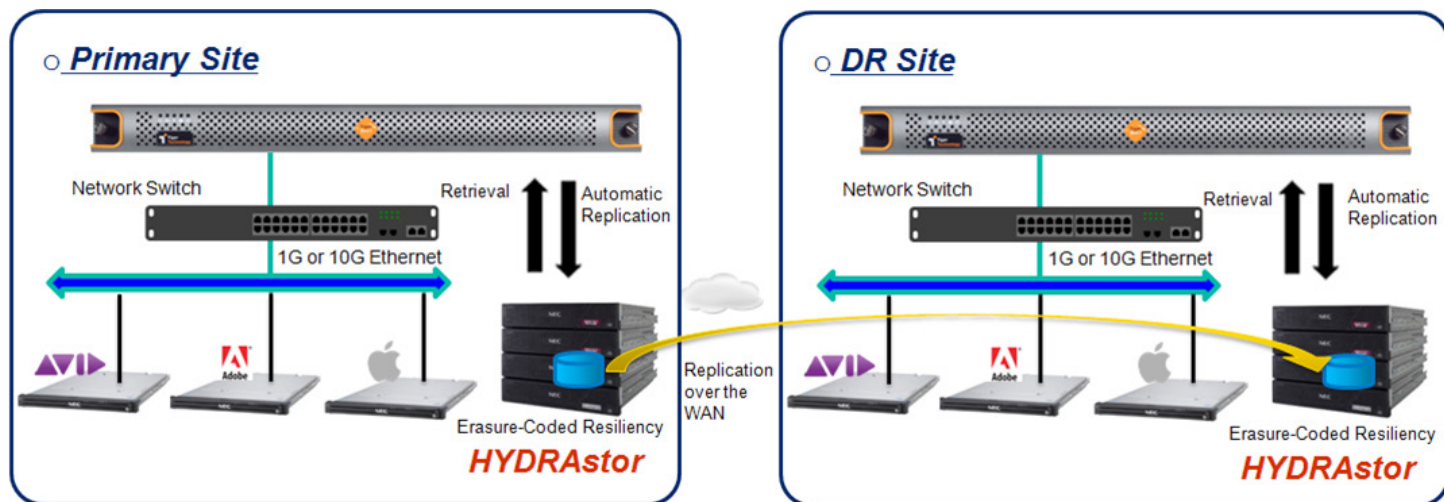
How it works

Tiger Shared Storage Solutions provide high speed production storage to the users and also manage backup and archiving to highly scalable and robust NEC's archiving storage at the back-end with the integrated Replication & Tiering module for Hierarchical Storage Management (HSM). NEC's HYDRAsstor grid based architecture ensures online faster data access for active archiving and avoids the delays and complex operation associated with traditional tape and disk solutions. There is no need to maintain a separate archiving system as Tiger Replication & Tiering automatically replicates the data to HYDRAsstor based on configured policies without compromising the system performance. Each node of HYDRAsstor provides processing capabilities and additional throughput to ensure scalability and fixed backup window with better protection than RAID while HYDRAsstor's WAN Optimized replication reduces the bandwidth cost and provides efficient disaster recovery.

Archive and Retrieval process

Entire storage management and tiering policy is configured through Tiger's GUI by setting archive policy based on location of the data to be archived and its modification date. The files which meet the replication criteria will be moved to HYDRAsstor only when the Tiger managed storage is idle. Whenever there is an I/O activity replication will be stopped to ensure optimized performance.

This integrated solution provides easy and fast retrieval of archive data as applications or users simply call for Replicated files and Replication & Tiering automatically retrieves the data from HYDRAsstor. Partial file restore is supported allowing users and applications to begin using the file while the restore process is completed in the background.



Contact info

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