ARCHIWARE

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NEC

Backup and Archive Solution

Archiware P5 and NEC HYDRAstor

At a Glance

- Pay as you grow with modular scale-out storage from 1 to 165 nodes with up to 7.9PB RAW capacity and up to 178 TB/hr throughput.

- Advanced erasure-coded resiliency and high availability, protecting data against up to 6 concurrent disk or node failures

- Integrated disaster recovery and data security, with WAN-optimized replication and data encryption in-flight and at rest.

- Global Namespace (GNS) for fast and flexible distributed access.

- WORM capability, supporting automatic retention policies for regulatory compliance enforcement.

- Multi-generation storage with automatic data migration to support long-term retention.

Overview

In recent years, customer demand for storage capacity to support long-term media assets has grown significantly. With increase in image resolution and development of 4K and other high-resolution media assets driving data growth, Media companies require a highly efficient and cost effective scalable platform to keep up with data growth. The key requirements to support environments that represent the majority of media content include modular and flexible scalability, high data resiliency, immediate access and availability, and capacity optimization to reduce footprint and overall costs. HYDRAstor HS6-4000A addresses all these requirements with its modular scale-out architecture to support PB-scale archives, advanced data resiliency and protection against up to six concurrent disk or entire node failures, high availability with automatic failover and Global Namespace (GNS) across nodes, and data deduplication and compression for space reduction and lower costs.

Solution

The right strategy for long-term media asset protection and cost optimization includes a combination of backup and archive policy. Backups provide short-term protection of production data in the event of hardware failure, data corruption and accidental deletion. Archive ensures long-term storage of completed productions, cost-effective, catalogued and in one place. The Archiware P5 and NEC HYDRAstor solution supports a strategy that encompasses both backup and archive for media assets.
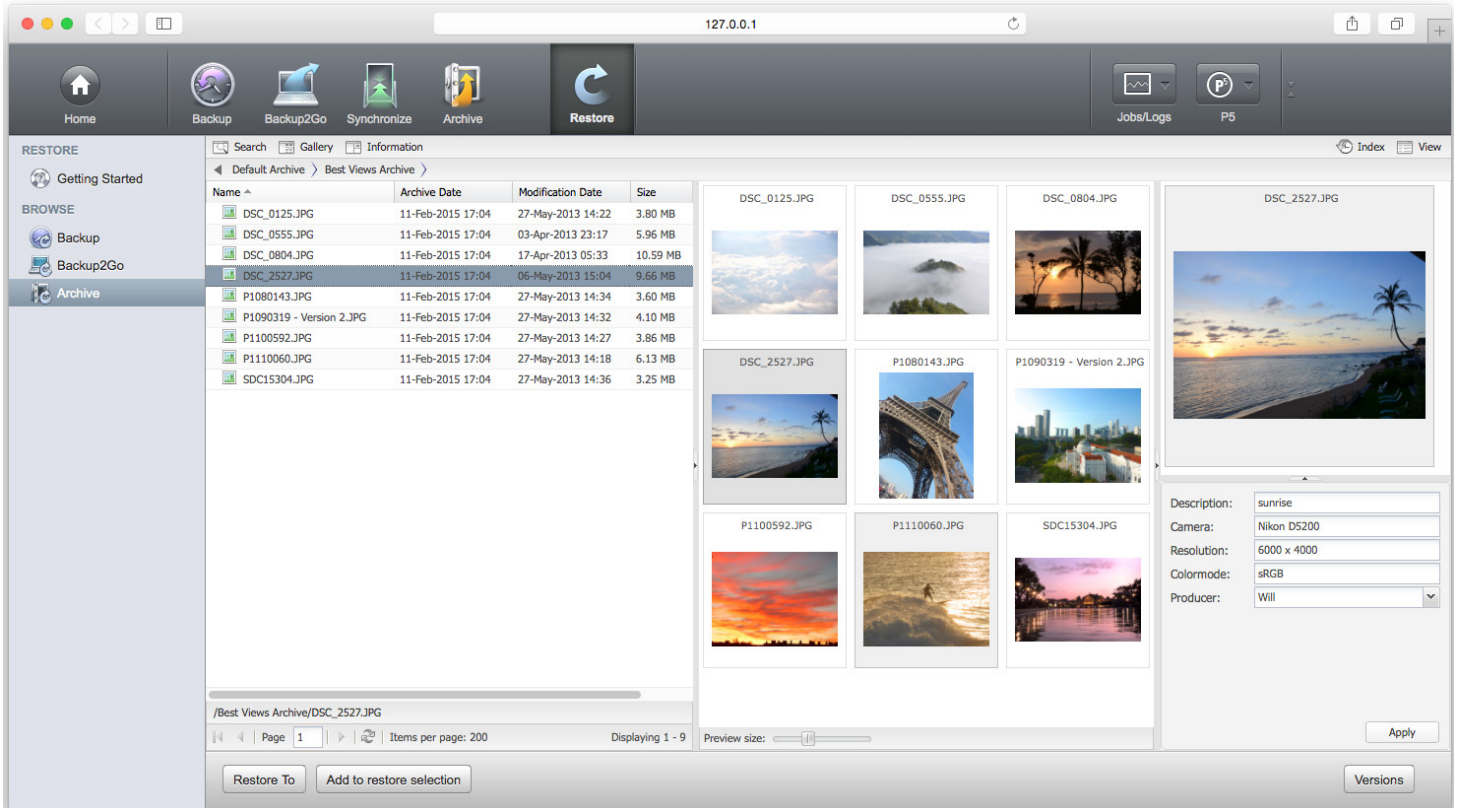
HYDRAstor

Archiware P5 Backup

Archiware P5 Backup provides professional server backup on Disk or Tape storage. Full and incremental backup strategies can be employed and intermixed to achieve maximum security with minimal use of resources. The backup is interruptible and offers parallel read and write processes for maximum throughput. Restore is very simple and can be done by the individual user within the chosen retention period.

Archiware P5 Archive

Archiware P5 Archive migrates data from online storage to Disk or LTO Tape. A configurable metadata catalogue, preview videos and storable searches simplify finding and restoring archived files.

Tape cloning produces duplicate sets of tapes for offsite storage. In multi-drive libraries, archiving processes can be parallelized to achieve higher throughput.

P5 + HYDRAstor Solution

Media assets can be backed up and archived in HYDRAstor using the P5 interface with automatic and manual options.

Both modules can be used simultaneously and with the same target storage.

Additional modules P5 Synchronize for data replication and high availability and P5 Backup2Go for workstation backup can be added at any point.

Key Features

- Browse Media with Previews/Proxies
- Search Metadata in configurable catalogue
- One Solution for all Platforms (Mac, Win, Linux)
- User Self-Serve Restore
- Cost effective Scale-out storage
- Parallelization for speed and scalability
- Integrate Backup and Archive

For more information please contact info@necam.com or sales@archiware.com. Visit www.necam.com/HYDRAstor or www.archiware.com.

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