Archive Planning & Management Services

Archiving Solutions Designed for Small, Medium and Large Media Organizations

With Grass Valley Archive Services, you can cost-effectively design and deploy a storage solution that not only manages your valuable assets, but increases workflow efficiencies.

Your media and data are your most valuable assets. Defining a strategy to manage, store and access these assets is critical to your success. Grass Valley provides the experience and insight to define and design an archive solution for the creation, management, distribution and long-term storage of content.

Storage requirements are exploding as more content is captured in HD, facilities migrate from tape-based analog and digital assets to file-based workflows, and content is produced in multiple formats to address audience consumption requirements. It is more important than ever to prepare for the growth of media asset management (MAM) systems and related storage environments. Today's workflows require fast access to content for editing and repurposing, which imposes a need for a storage infrastructure that addresses performance, capacity and the preservation of these digital assets.

Managing Your Assets As They Grow

File-based workflows integrate distinct tools and applications into a seamless, integrated operation. Storage is a key element as files are accessed, retrieved, edited and saved in multiple versions.

The transition from SD to HD requires higher data transfer rates as well as much greater storage capacity. Media organizations are faced with the challenge of how to manage their media from completed projects and frequently accessed assets.

The number of assets that you must manage increases every day…for some organizations, every second. Regardless of the size of your current archive system, or how much you expand its capacity, it will eventually fill up or become unmanageable. Defining an architecture that anticipates your growth is critical to fulfilling productivity and operational goals.

Grass Valley's Archive Services can provide storage capabilities that support your evolving needs.

Using insight and expertise, Grass Valley can design integrated and seamless archive and storage solutions that:

• Address exploding content needs
• Speed production of time-sensitive packages
• Simplify user access to assets while increasing workflow efficiencies
• Consolidate assets into a single, centralized, easily searchable repository
• Provide long-term archive storage capacity while decreasing costs
• Incorporates disaster recovery issues
• Provide scalability to address repository growth

As your storage requirements shift and grow, know that Grass Valley provides the services to design agile and flexible archive solutions, comprised of Grass Valley and/or third-party products. The focus is to deliver a solution focused on simplicity and ease of use.

Innovative Solutions for Every Need

Archive solutions emerge from business needs, ranging from retaining historical content to storing raw footage or supporting disaster recovery strategies. Grass Valley provides archive systems to support online, production and news applications that, as an option to our standard systems, can integrate near-line cache storage ahead of the archive's digital tape library. Whether your environment utilizes tape-based systems, is transitioning to tapeless workflows or is a combination of both, Grass Valley project managers focus on understanding your operational and business needs to design the archive solution that best meets your goals.

From experience working with sports, entertainment, news and master control customers, Grass Valley recognizes the benefit of understanding the volume and type of assets being stored and accessed, as well as the profile of how users search and retrieve these assets. By analyzing workflow and business process, Grass Valley project managers define core query, storage and retrieval requirements, including converting tape-based analog and digital assets to file-based digital assets.

KEY FEATURES

- Depending on your asset management needs, Grass Valley archive systems can include:
  – Concept and system architecture design by expert engineers, tailored to your operational needs
  – Project management through every step in the process, from concept through commissioning

– System integration of Grass Valley and partner solutions
– Training of operational and engineering/maintenance staff
– Improved storage management resulting in cost-effective storage
– Enhanced workflow efficiency due to centralized access to assets

– Scalable, reliable, redundant architecture designed to address anticipated growth

Grass Valley technology experts analyze requirements for I/O, bandwidth, simultaneous read/write operations, rules to automate archive events, archive access permissions and scalability. The resulting storage management recommendations establish policies for cost-effective placement of data on the most relevant storage device. The final, scalable architecture is designed to meet primary and archive storage requirements, today and into the future.

Grass Valley focuses on delivering archive solutions addressing your needs — balancing the use of tape and disk storage, taking into account the amount of assets, multi-user access to assets, storage management policies, reliability, maintenance and ease of integration. With Grass Valley, you get an archive system specifically tailored to your environment.

A Foundation in Technology

Grass Valley provides a range of storage technologies including RAID systems, and production SAN, near-line and direct-attached storage. Grass Valley's archive solutions support industry standards for:

- CIFs for broad access to video/audio files
- MXF/GXF/QuickTime wrappers
- FTP for standard file transfer operability

We understand the need to adopt file-based workflows and that this often forces organizations to assess their existing videotape archives. Many of these archives represent high costs in terms of facility space, time to find and access content, and degrading tape quality — regardless of preservation efforts

To get stories on-air faster, it is easier and quicker to review and validate low-resolution proxies before retrieving high-resolution files from data tape archives. Grass Valley helps customers methodically assess archive needs and pragmatically balance the use of file- and tape-based systems, as well as high- and low-cost storage.

Grass Valley implements comprehensive archive solutions based on in-depth knowledge of media asset management and practical storage technology insights from key partners such as Front Porch Digital, SGL and SpectraLogic. Grass Valley archive solutions include built-in QOS with dynamic bandwidth allocation for audio/video file sharing and file transfers. High-performance online storage and Fibre Channel RAID controllers provide design and configuration of the highest bandwidth archive solutions in the industry.

Grass Valley Professional Services is a trusted partner for media companies around the world, helping them achieve their goals for flexible, highly available, high-performance archive solutions. Our team of experienced engineers and project managers specialize in the design, deployment and support of dynamic file-based workflows, ensuring customer success by providing:

- Global reach
- Local capabilities
- Deep knowledge of business objectives
- Technology expertise based upon hundreds of archive implementations
- Best of breed technology partnerships
- Scalable and industry-compatible systems

Business Drivers: Storage costs, access to low-resolution proxies, centralized archive, tape vs. file systems, simplified data sharing, degradation of video tapes, need for storage management policy.

DESIGN

TECHNOLOGY

STORAGE ENVIRONMENT

| Network | File System | Storage Manager | Workflow | Metadata | Assets |

High-Performance Disk Storage

Less Expensive High-Capacity Disk Storage

Offline Tape Storage

Benefits: Cost-effective storage, improved storage management, high-performance failover, workflow integration, improved productivity, scalablity.

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