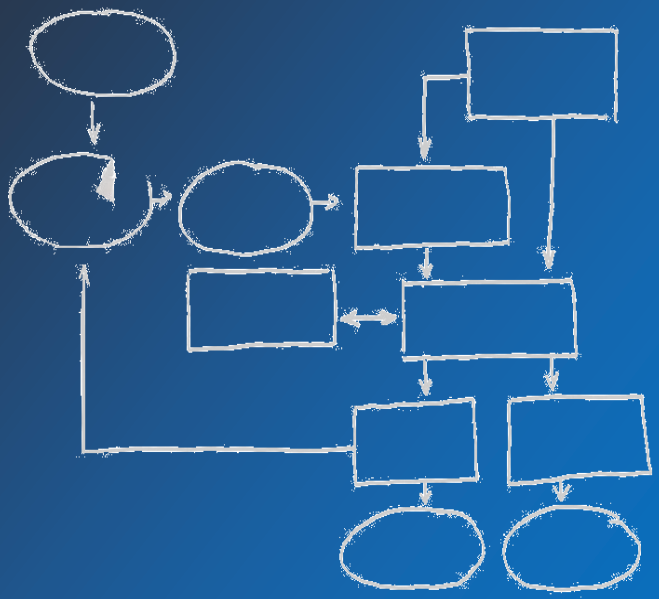


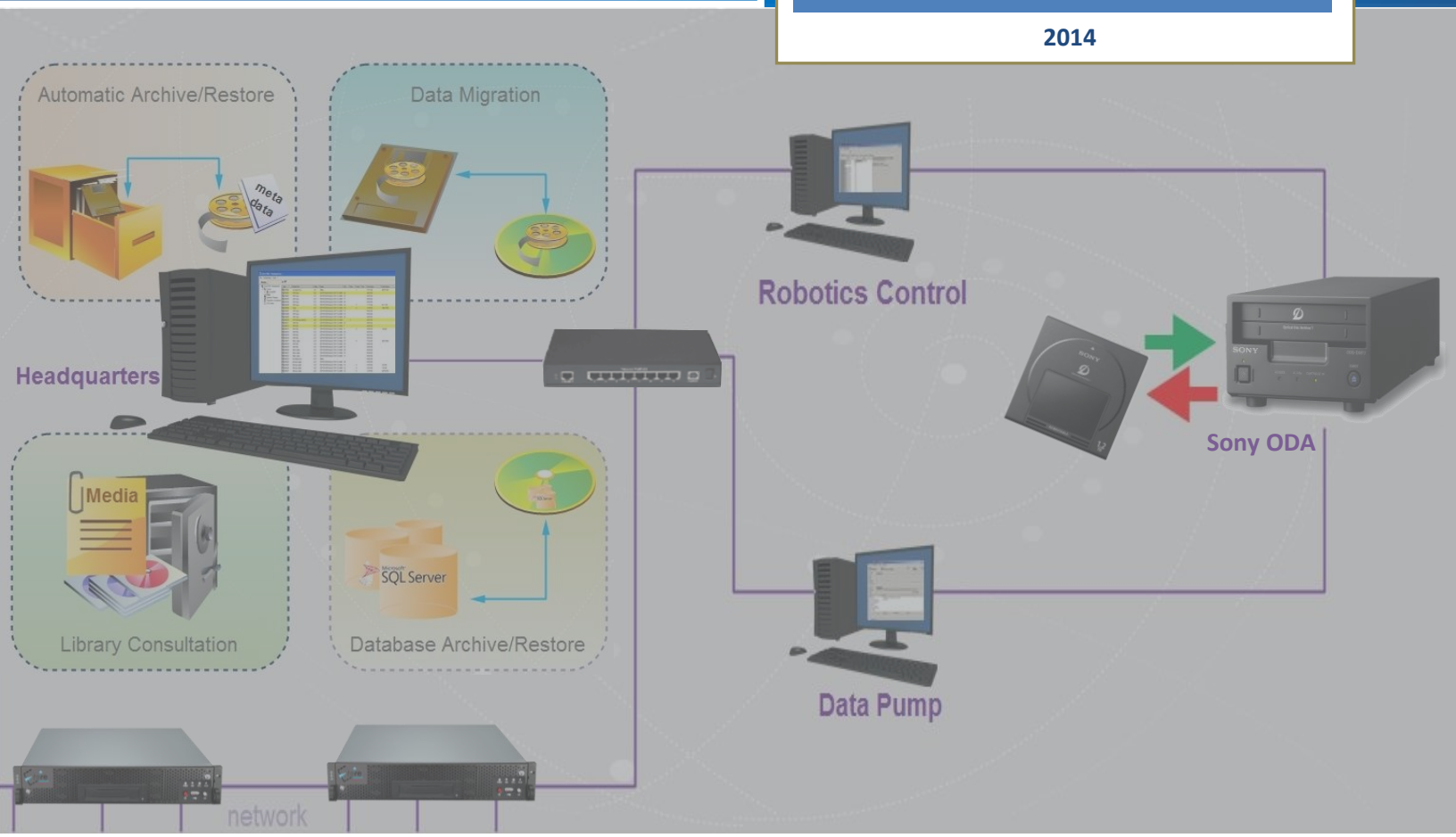
Etere

a consistent system!

Integration with SONY ODA Libraries

Optical Disc Archive

2014



INTRODUCTION

ETERE provides support for **Sony Optical Disc Archive (ODA)**, bringing long-term and reliable storage features to archive and restore huge volumes of media assets.

The integration with **Sony ODA** makes available a myriad of workflow possibilities from disaster recovery solutions to management of archive material over disparate geographic areas. With SGL's experience of managing multiple storage devices within production, news and sport, Sony's Optical Disc Archive can sit anywhere within a workflow, not simply as an 'end of process' archive.

ETERE, the leading provider for the broadcasting industry, gives an advanced feature to safely and easily store high-volume data into **Sony's Optical Disc** archive products using **Etere HSM**. This feature comes as a response to companies looking

The innovative **ETERE HSM** now has one more benefit: the ability to store your important data in a compact cartridge with optical discs. ETERE will be essential for the wide range of video and broadcast operations including media digitization from tapes, news and sports production and disaster recovery.

The integration between **ETERE HSM** and the **SONY Optical Disc Archive** product line is the ideal archiving solution for Near-Line and Long-Term storage at broadcasting stations; it provides a versatile and sophisticated solution to store your media assets in a library unit so that you enjoy multi-access and sharing of files, with scalable storage capacity.

ETERE HSM is able to interface the Sony's extensible high-capacity file-based system to enable you to store data in compact cartridges (housing 12 optical discs within), allowing you to correctly track the shelf position of archived content and automatically handle cartridges within the library through robotic movements.

ETERE supports multiple ODA libraries and a mixed environment with LTO and ODA, allowing you to use the best of both systems. **Etere HSM** makes your work easy by moving and optimizing video contents in order to save space, saving time and money.

EXPECTED BENEFITS

- ✓ **Flexibility**, to meet all requirements and handle all metadata and equipment managed internally and externally (customers and providers)
- ✓ **Scalability**, to increase complexity without altering the workflow, minimizing operational overheads and overall costs
- ✓ **Efficiency**, to reduce repetitive manual operations, allowing to define operations in advance within streamlined workflows
- ✓ **Reliability**, to use automatic workflows provided with detailed logs for tracking the overall and individual functioning of the system
- ✓ **Accuracy**, to reduce the risk of mistakes when archiving projects related to several files and introduce automatic and manual quality checks
- ✓ **Integration**, to bring straight access to the archive through a secure web interface available on non-linear editing systems
- ✓ **Security**, to grant operations based on specific user permissions depending on the structure of the an Active Directory domain
- ✓ **Usability**, to guarantee a smooth use and intuitive management of media content through a sophisticated graphical user interface

The integration of Sony's Optical Disc Archive develops an extensible high-capacity archiving solutions for the video and broadcasting industries. Optical Disc Archive offers file-based solutions by storing data in a compact cartridge with 12 optical discs.

provide a solution and application software environment that proposes optimum specifications and system architectures, among other responsibilities, while anticipating future trends and demand in the archive solutions sector.

Etere fully supports the Sony ODA Archive system, enabling the management of Archive and Restore workflows based on standalone **Sony ODA Units** (e.g. ODS-D55U, ODS-D77U) and **Sony ODA Libraries** (e.g. Sony ODS-L10, Sony ODS-L30).

The integration benefits Sony's Optical Disc Archive customers by giving them the ability to store their important data safely, with scalable storage capacity and performance. This integration is a good fit because Optical Disc Archive already offers the durability, reliability, and longevity our customers require.

Archiving clips

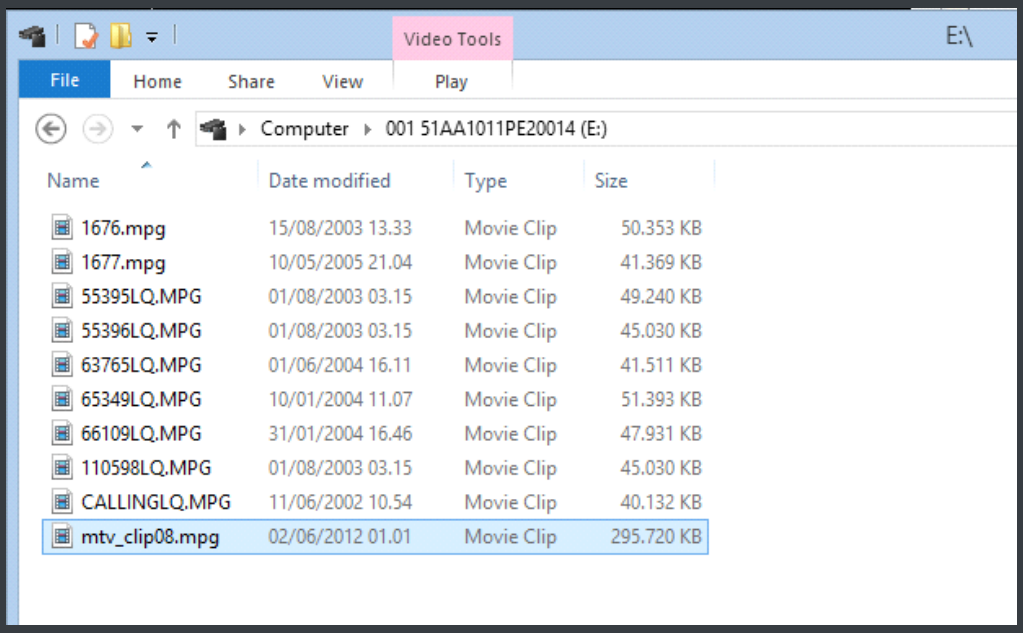
Archiving clips with Etere is easy as selecting clips and the tape to archive them to, keeping track of the ODA disk number and writing status.

Restoring clips

Clips can be selected so their files that have been previously archived will be retrieved from ODA and linked to the Etere database, asking for the correct tape to be inserted if not already loaded into the machine or available from the library.

ODA INTEGRATION

Sony's Optical Disk Drives (e.g. ODS-D55U) can be easily integrated into **Etere environments**; once connected to a computer through a USB 3.0 interface and mounted as regular local volume, the file system of loaded **cartridges** can be accessed by **Etere HSM** to, for example:



- **Archive/Restore**
  d

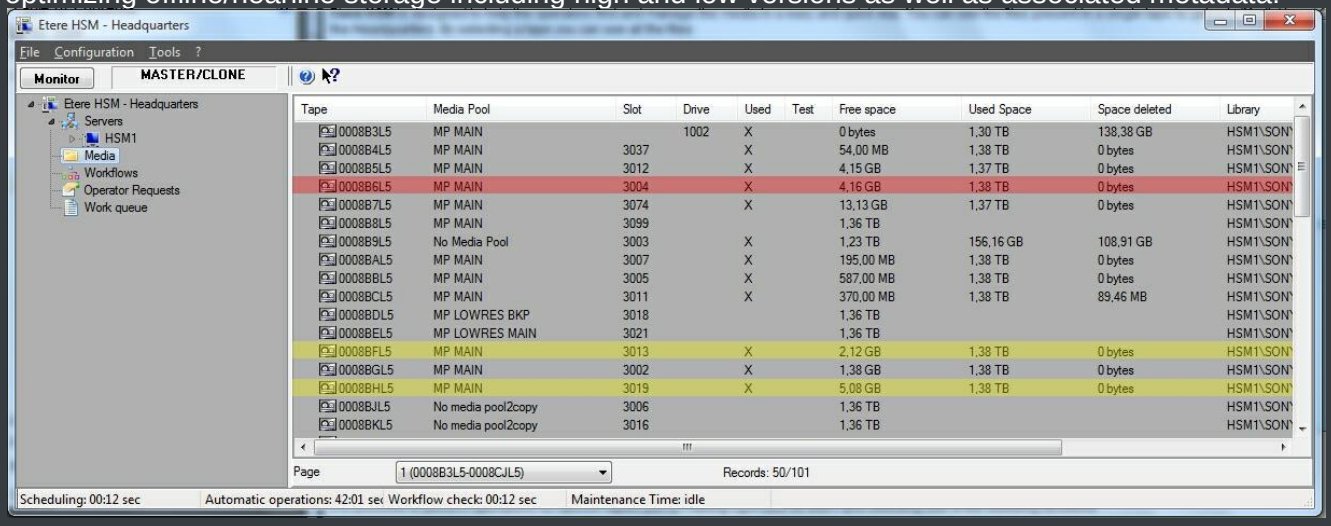
- **Defrag**
  d

- **Catalog**
  D

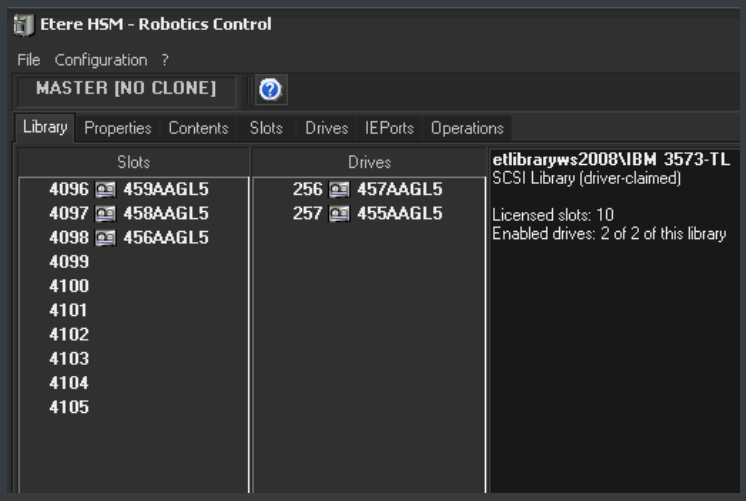
ETERE HSM

Etere HSM brings workflow-based archiving capabilities to ensure disaster recovery, continuity and shared management. Archiving operations can be performed via workflow, said workflows can be triggered either automatically at scheduled times on when specific conditions occurs (file arrives into a metadevice) or manually by an operator.

Etere HSM is the cost-effective solution to radically streamline the management of LTO tape libraries; optimizing offline/nearline storage including high and low versions as well as associated metadata:



Etere HSM distinguish four different archiving levels into a broadcasting workflow, these levels required distinct access times which vary from 0 minutes (video server) to 15 minutes (standard video tapes). All these levels are managed “virtually”, that is, you can use logical devices (metadevices) based on physical devices to free design your storage layout, enriching in this way the entire system with the benefits derived from the use of metadevices:



- Perform loan-balanced transfers on an intelligent multi-volume scenario
- Extend your storage space by joining physical devices into one metadevice, without altering the archiving workflow
- Categorize your storage devices by dividing them into metadevices with no partitioning required
- Space limits and storage distribution are defined by the user and not by devices itself
- Classify metadevices in media pools in order to automate their management
- Background defragmentation and online/offline tape management,
- Scheduled archiving of devices, media contents and entire databases.

Etere HSM forms a tandem with **Etere Data Mover** to be the only solution in the market with an embedded multi-level and multi-rule cache that offers an intelligent management which ensures the best performances with low investments.

Moreover, owing to Etere's comprehensive character, these applications are perfectly integrated with other modules (e.g. Ingest, EtereWeb, etc.) to allow all these modules to use shared resources and have unlimited communication.

Etere: a consistent system!

Etere is an international leader in the media market. Etere develops and distributes a wide range of high technology software for broadcasting and media businesses. With more than 24 years of experience, Etere provides powerful, flexible, cost-effective, high-performance, end-to-end media solutions. Etere is the only company worldwide that can offer you a solution to all your media needs in one single package.

Etere is the only solution 100% workflow based for all broadcast and media environments. It's a common framework where there is real-time sharing of all the data among several applications to manage all media business requirements. The workflow approach allows a fully customized design with edge performances.

From its headquarters in Tolentino, Italy, Etere guarantees the best after-sales support service on the market with engineers ready to give professional assistance 24 hours a day, 7 days a week. The service includes voice, email, VPN and VoIP with unlimited calls and connection time, and a pro-active system to help diagnose problems before they appear.

Etere
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