Etere Logger

Logging

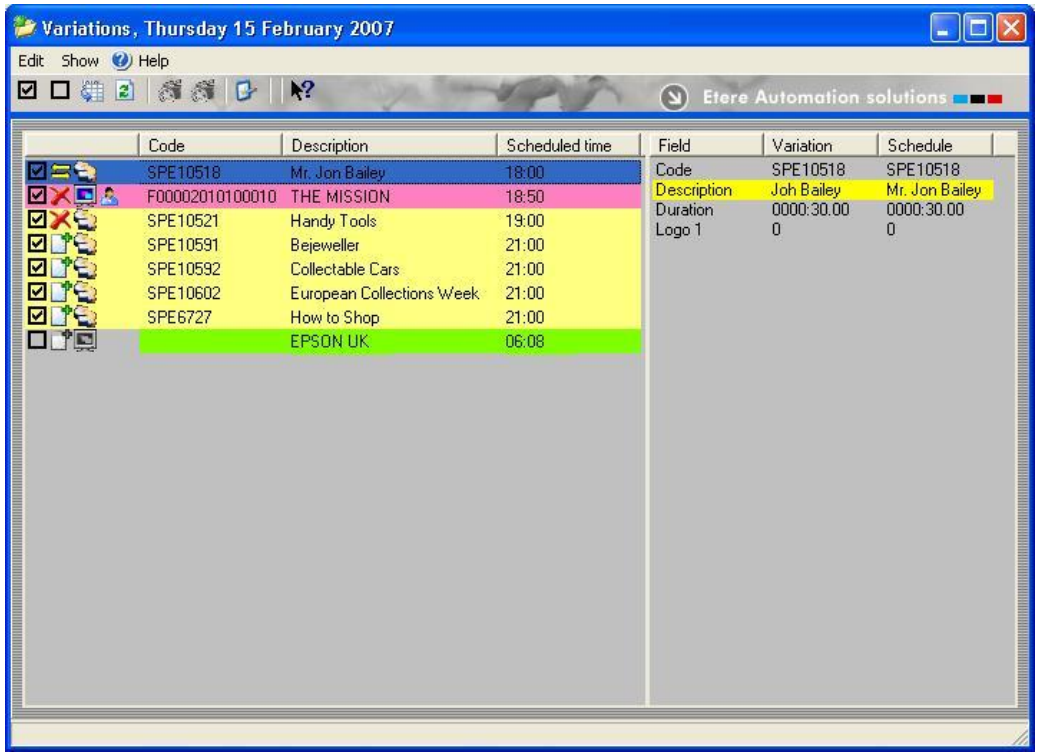
History

- Etere for big brother was born in 2001
- It uses all the resources available at that time and the best technologies available
- It has been redesigned for the 2010 technologies

Etere Logger

Original Project

Etere Logger



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Etere Logger

- Etere Logger allows ingesting multiple channels continuously from either Live or VTR sources
- Automatic generation of lowRes copies during the capturing process
- Robust and understandable metadata to improve captured material retrieval
- On-the-fly metadata insertion for currently capturing video streams
- Flexible archiving process using VTR
- Integration with NLE via SDI and rs422 control

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Hardware Platform

- Seachange BMC server for HiRes and LowRes ingest
- Sony digital betacam VTR
- Avid Newscutter as editing

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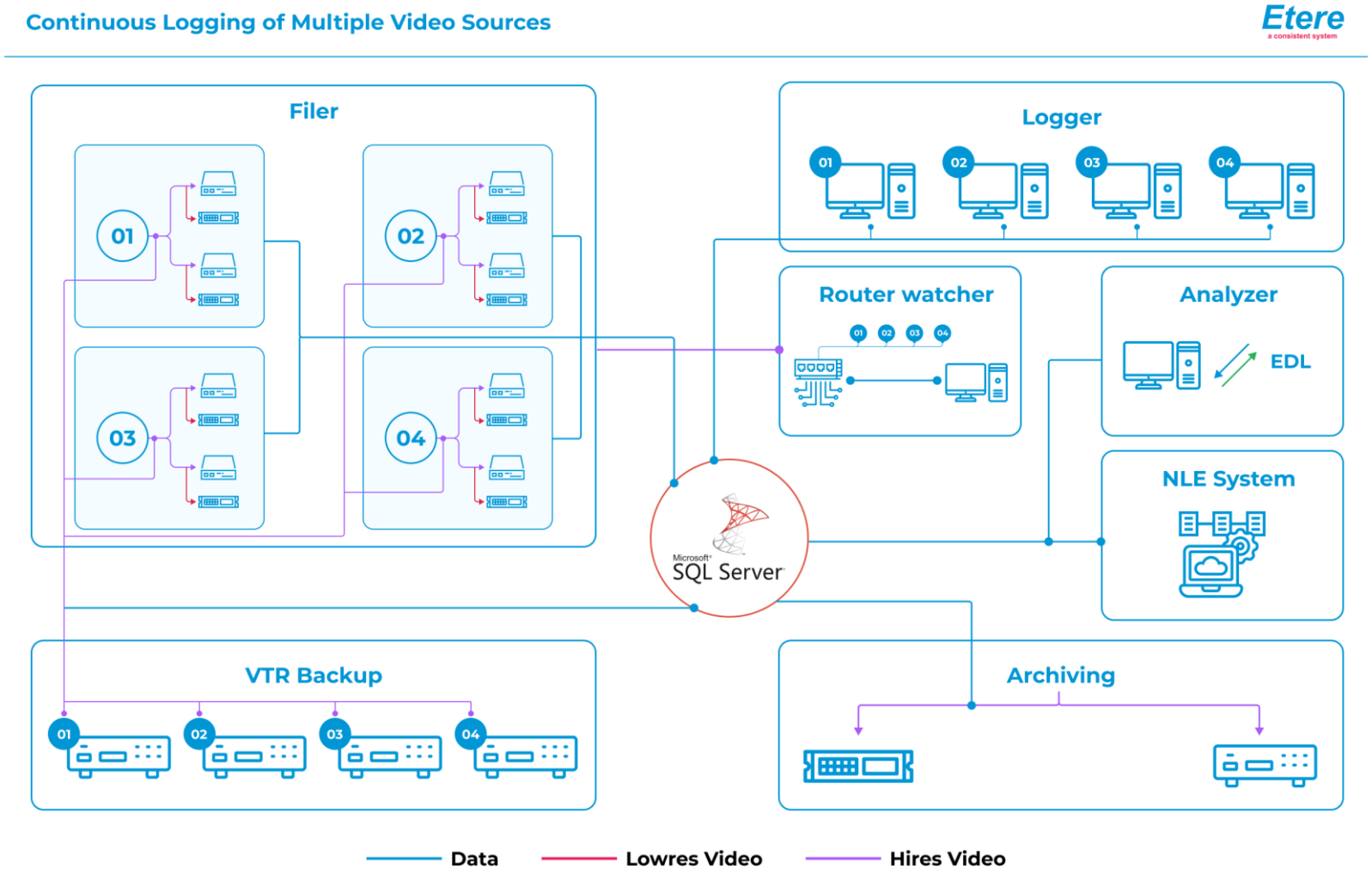
Continuous Multi-source Logging



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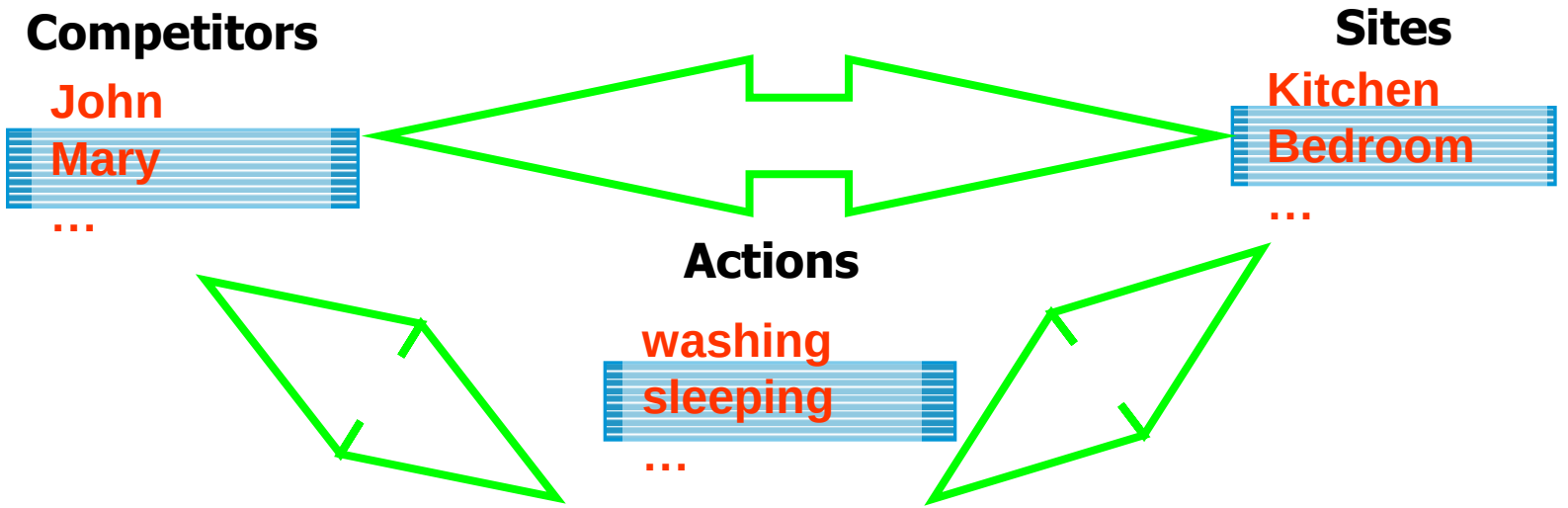
Core Database Structure

- All data is stored into a database based in the SQL Server platform to enhance the reliability of the system
- Access for several different users, being also possible to set specific rights for each one of them
- Predefined key properties (i.e.: competitors, sites and actions) allows to drastically improve the logging process as well as later search and retrieval of logged data



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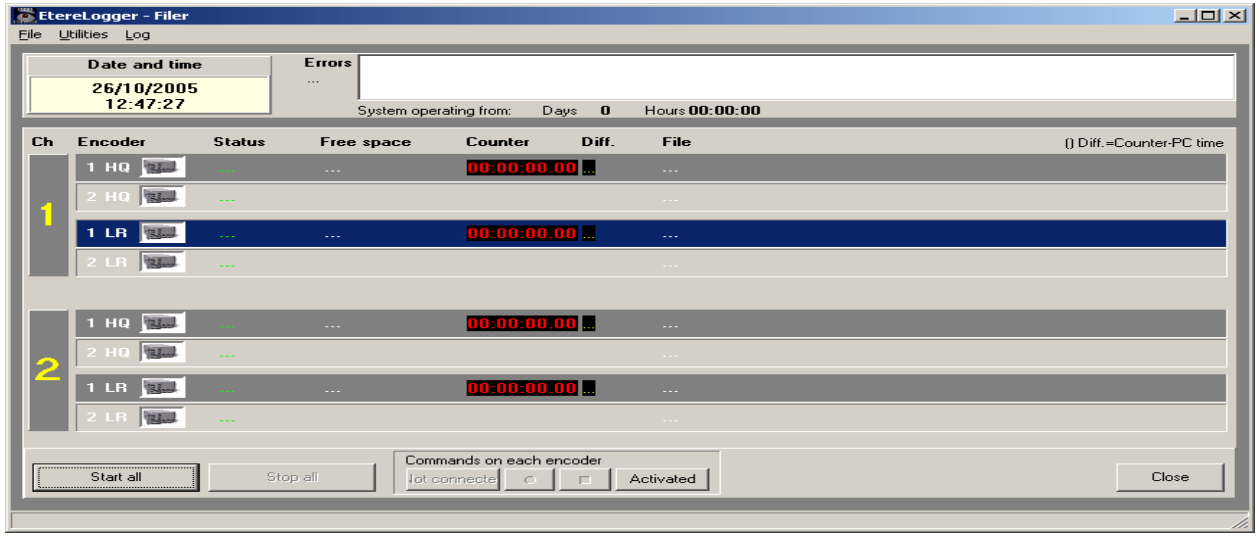
How It Works?

Video Capturing

- Ingest up to four video streams using one video server for each one of them, 24h a day without interruptions,
- Each stream is captured using two different encoders the 2 files are overlapped
- Simultaneously to the main capture, a Mpeg1 lowRes copy is generated using another encoder



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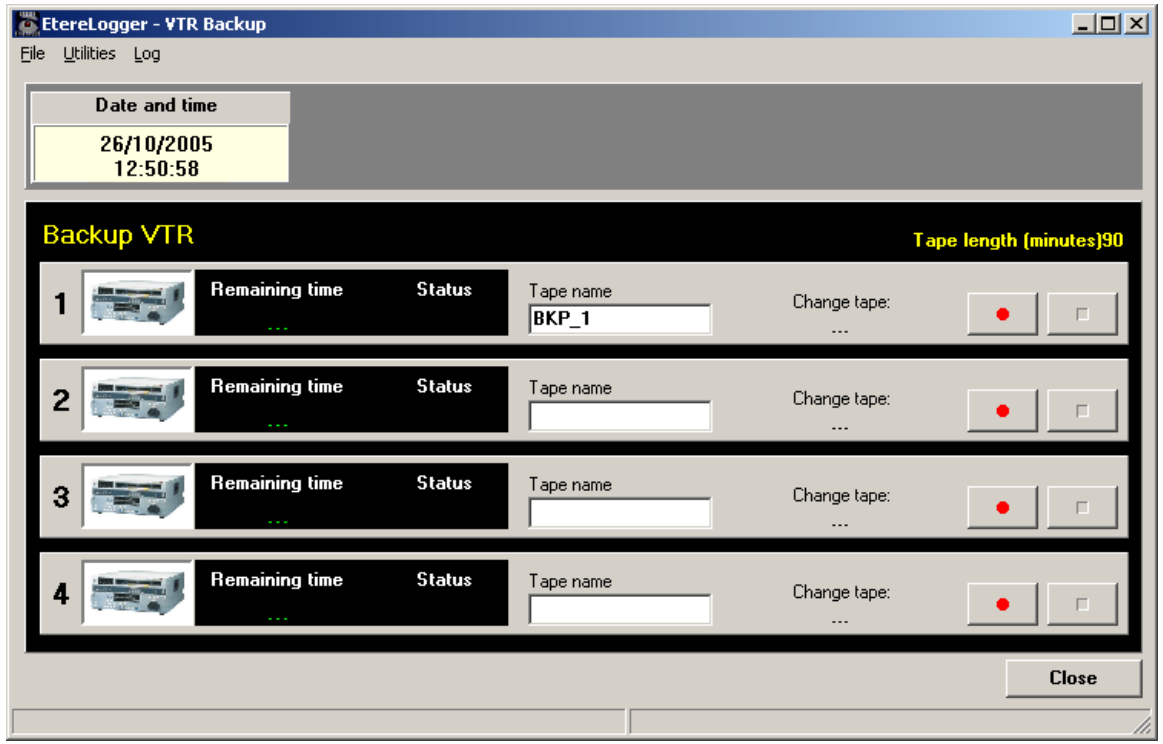
Optional Backup Capture

- It is possible to manually capture each video stream also in a VTR, as backup the database will track also tapes when generating stories



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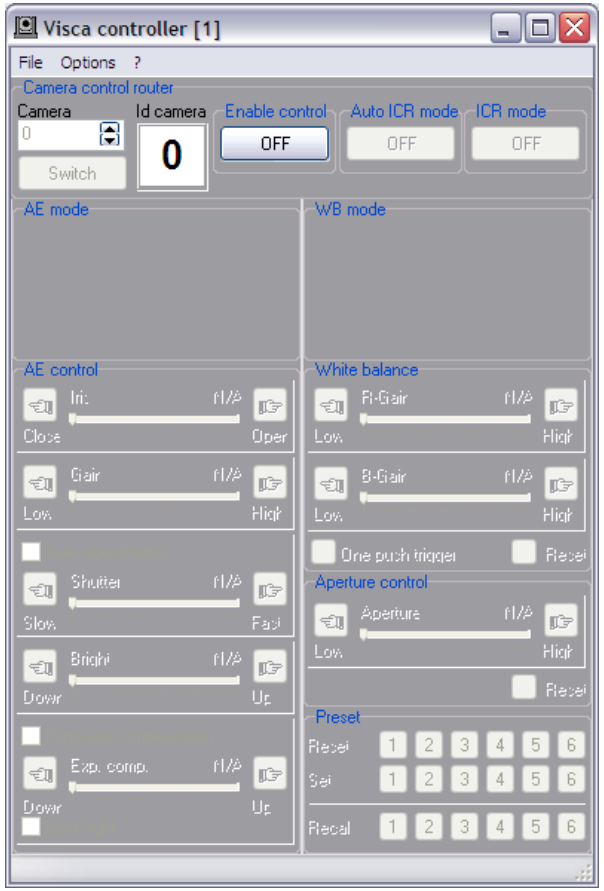
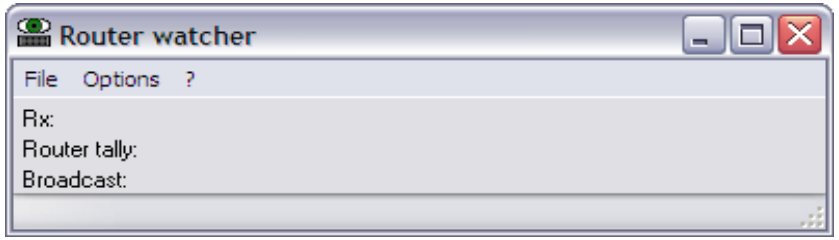
Easy Multi-Camera Control



- Television cameras are connected to a video router that provides preview monitoring to the production department,
- Visca Controller is used for adjusting the colorimetry parameters of a camera each time it is switched through a control panel



- Router Watcher allows to control Sony television cameras along with Routers
- Each time an operator switches to a certain camera manually, Router Watcher select the relative camera among the ones present in the Visca Controller

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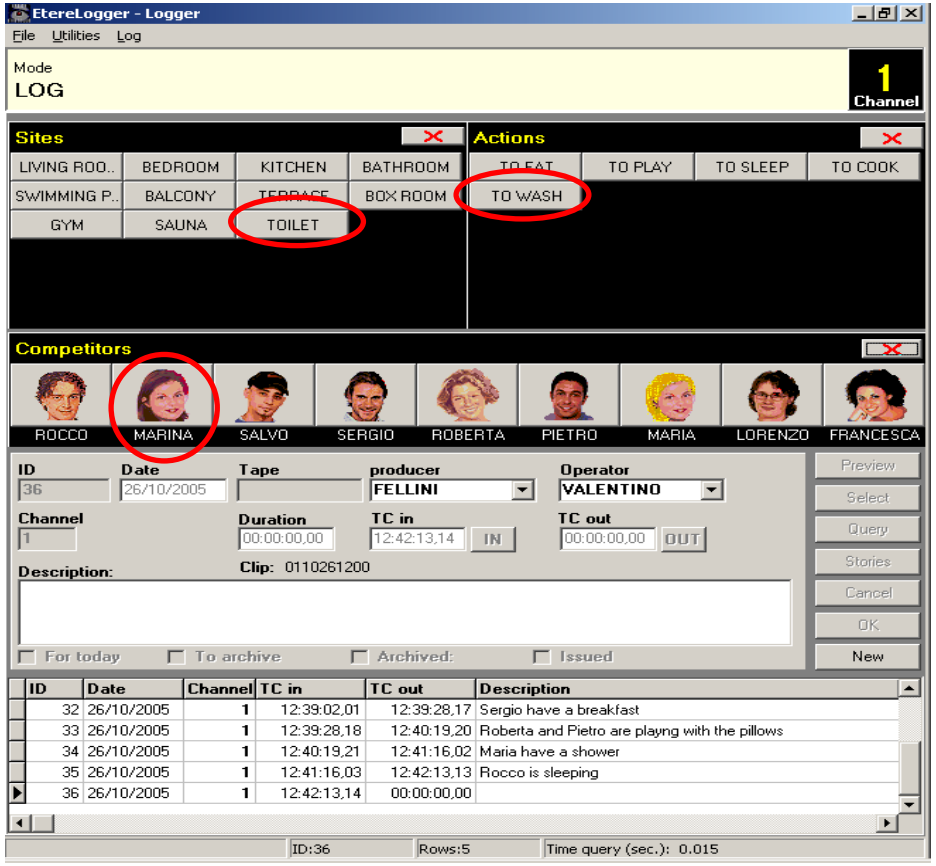
Metadata Insertion



- Operators can easily add key metadata to the sequences, even while they are being captured,
- A sequence is composed by the clip and metadata related to it,
- Inserted metadata is mainly made of sites, actions and competitors as well as the description, ingest date and timecodes

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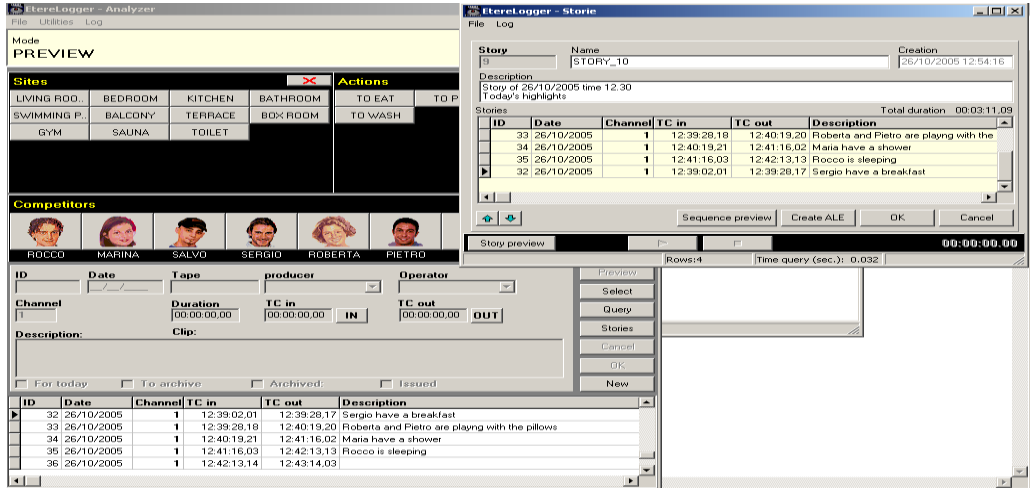
Stories Creation



- The operator can easily create a story just by dragging and dropping sequences into a story window and entering a brief description
- It is possible to generate an ALE (AvidLogExchange) file that the Avid system will use to produce the story clip to broadcast.

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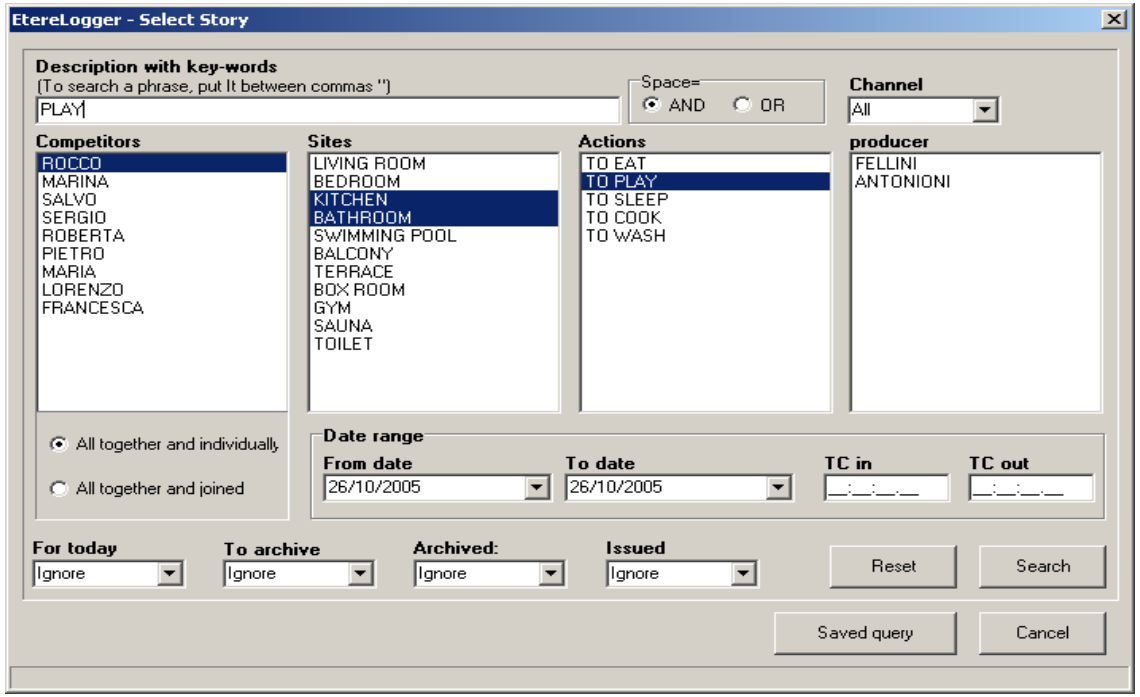
Existing Stories Retrieval



- Operators can easily search for stories by creating wizard custom queries detailing the competitors, sites, actions, date range, timecode, storage properties, etc.
- Queries can be saved and re-used later in further searches

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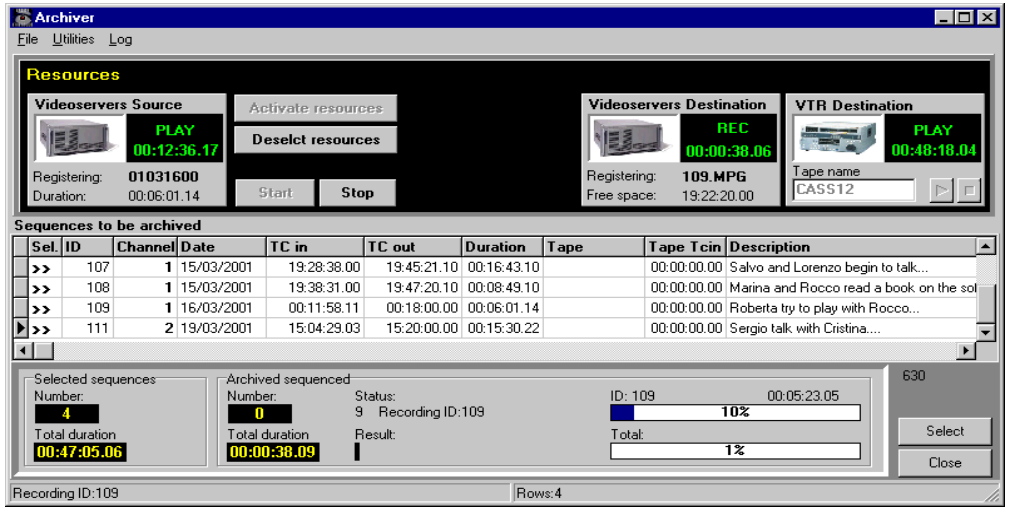
Media Archiving



- Once logged and stored, sequence's clips can be simultaneously archived in a video server and a VTR,
- Only clips marked as 'to archive' will be automatically stored, 'not to archive' clips are deleted according to policies.

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Event Logger

Project Goals

After 8 years Etere re-design the Logger with new technologies

The old project became outdated for the following reasons:

- Use a Seachange BMC800, out of production
- Use 2 Hires encoders for continuos recording
- Use one Hires recording for low res
- No file exchange with NLE, but SDI connection

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Etere Logging

- The new logger use the same interface but it's based on different hardware
- Use only one ETX encoder to produce continuous recording of both Hires and Lowres
- Use file exchange between NLE and the ingest
- Use partial retrieve to deliver files to NLE
- The ETX will store all the video in one IT based storage
- Archiving is done on Disk or LTO tapes
- SDI interface is still also available

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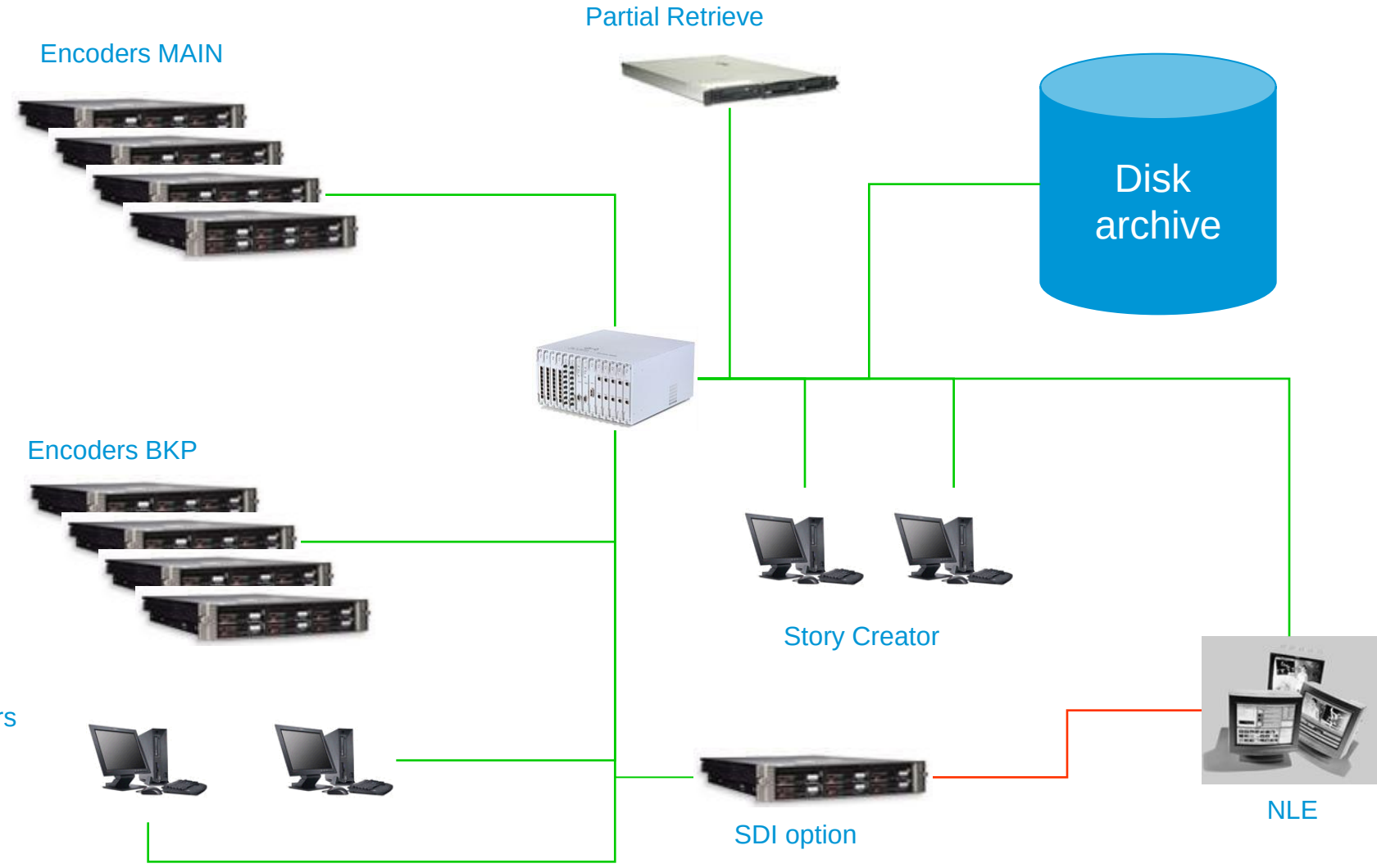

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Increased Redundancy

- Ingested video is stored on local HD and moved to central storage. If central storage is temporary unavailable video still exist and encoder still works
- Duplicated encoders can be provided
- VTR backup can be provided
- Also Videotape archive can still exist
- Both File based and SDI based transfer are available
- Multiple ingest essence and wrapper choice
- Integrated with Etere workflow

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Thank you

www.etere.com