Discover Mark

Media storage in production environments require solutions that allow the storage of massive quantities of video at an affordable price allowing an intuitive and fast retrieval of archived material. Mark is a media archive software solution that combines an attractive and functional design with great features.

Metadata

No clip is an island, and there's always much more to media than content itself. Mark allows the categorization of all clips, maintaining a structured view tailored to the organization's workflow, allowing the description of each clip with extensible metadata.

The clip category defines a set of fields with a given type that specifies the way they are manipulated. Mark supports number, date, free form text, open and closed lists of values. The clip can also include a list of segments with a text description, allowing the user to highlight different parts of the clip with ease.

The data contained in segments and fields is used for searching, letting the user filter results based on keywords, allowing further refinement. Highlighting of matching terms helps the user find matched keywords easily.

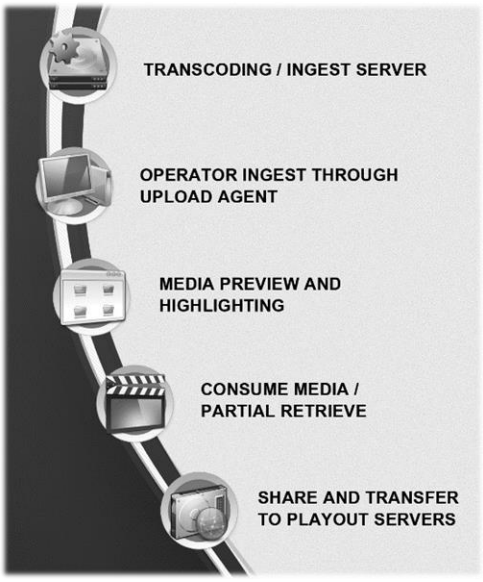
Formats support

Depending on the needs of the organization and the existing video workflow, you can define a set of target outputs for each video resolution. When a new clip is uploaded to the system, the transcode service creates a copy of the material in each defined format, including a low resolution proxy to be used for preview and as support for segment creation. Proxy video can be seen using any modern browser without the need of external media players.

Storage

Media storage is divided in two tiers, a disk based tier for near term storage, and a tape based tier for long term archival of material. Depending on system configuration, primary storage can consist of many disk volumes, usually on high performance SAN storage. Secondary storage uses LTO tapes and LTFS (Linear Tape File System). LTFS is an open standard for data storage that allows independent and auto-contained tapes to be used as a regular file system.

Mark provides additional compatibility with LTR video archiving recorders from FOR-A, allowing direct use of tapes recorded by the system.



Archival policies

Mark allows the definition of rules for material archival to tape, allowing a time for material to stabilize before transferring it to secondary storage. Once clip files are on tape, it is possible to define the way material degrades over time (e.g. removing high quality content, proxies, etc.).

Retrieval from tape is transparent for the user who requested a clip. The system initiates a transfer operation from secondary storage when necessary, notifying an operator if a tape that's not available is required.

Tape storage options

Mark offers two storage options, designed for diferent archival scenarios.

Enterprise Storage allows the system to use a set of high performance volumes (usually in a SAN connected to the server) as primary storage, and an LTO library for secondary storage. Enterprise Storage maximizes the amount of media available for direct access and the near on-line storage, providing high volume of media available without operator intervention.

Site Storage is a low cost alternative that allows the system to use a single local volume, and a single LTO drive for LTFS storage. Site Storage is particularly suited for customers with long term storage needs with a low archived media retrieval rate.