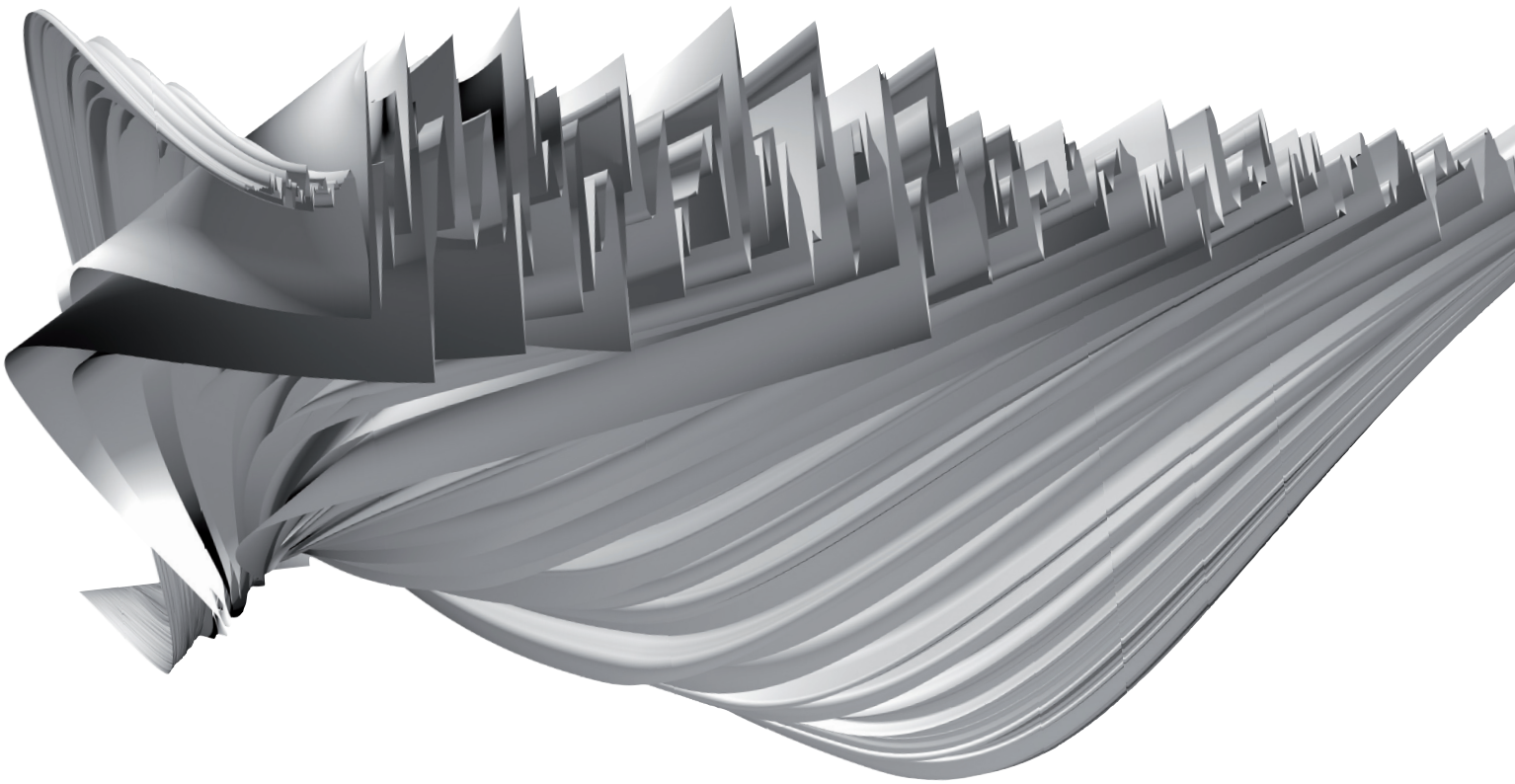


CREATING
ARCHIVE
INNOVATIONS



job DB™

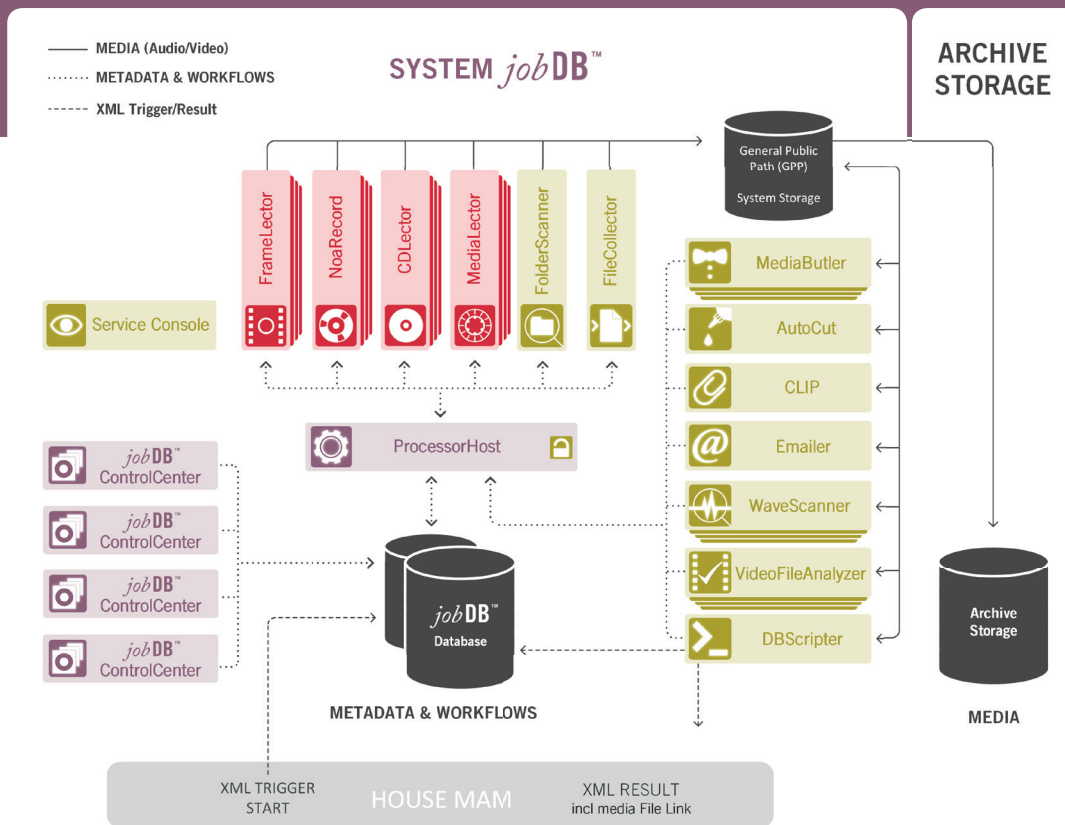
THIS IS NOT AN ARCHIVE.
A SUBSYSTEM FOR QC AND MEDIA WORKFLOWS IN YOUR ARCHIVE.



WHAT IS jobDB™?

The jobDB™ system allows users of ingestLINE™ and actLINE™ to set up workflows for the ingest, reshaping, and analysis of media as required for archiving, retranscoding, or other complex business processes. Designed to bring all the scalability and efficiency of automated processes to the media asset management environment, jobDB™ reduces the cost of setting up and executing workflows while allowing quality assurance standards within the workflow to be improved.

Serving as a backbone for ingestLINE™ and actLINE™, jobDB™ allows the creation of ingest, reshaping, and QC workflows that greatly simplify the process of working with files, and which are scalable from one to many human operators or automated machines.



An extended setup with a variety of processes.

THE “GOOGLE” OF WORKFLOWS

“jobDB is the Google of digitization and QC workflows: Simple to use, it makes it easy to keep track and organize hundreds of mass migration flows in the blink of an eye.”
(service provider statement)

BENEFITS

Allows creation of workflows for manually-operated and automated systems

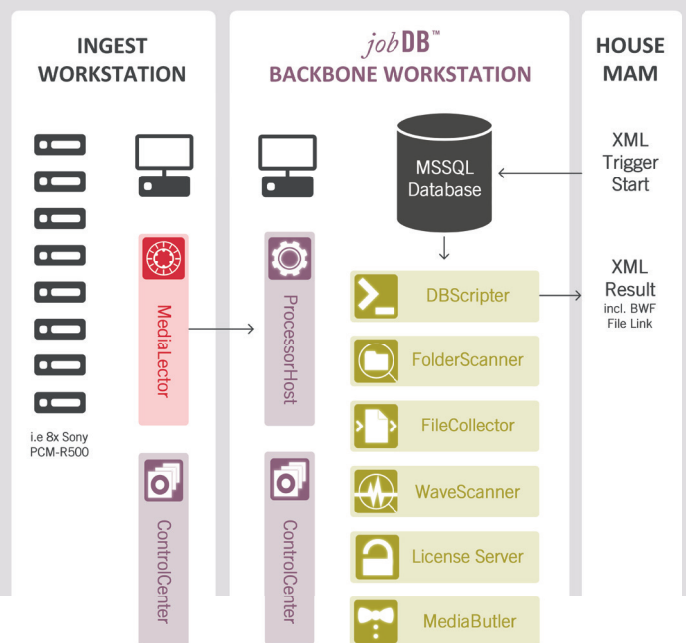
Works as a subsystem to your existing media asset management system (MAM)

Allows reshaping workflows for actLINE processors within a single facility

Allows ingestion workflows for ingestLINE processors within a single facility

Enables creation of workflows including both digitization and QC

Basic scanning farm setup using MediaLector for ingest and a range of actLINE processors on only 2 computers:



A WORKFLOW ENGINE THAT SAVES YOU WORK

As an MSSQL-based workflow engine, jobDB™ enables the creation of hierarchical and distributed workflows that bring the benefits of automation and parallelization to the archiving and retranscoding process. Efficiency bottlenecks are avoided throughout by a data-centered design whereby jobs are dispatched from a central repository to grid-based client processors, while algorithmic aids support users with a highly efficient QC method.

jobDB™ includes all the tools you need to transfer conventional carrier-based audio and video content to digital media objects. It can be combined with any number of ingestLINE™ and actLINE™ clients to build powerful system layouts which might be needed in an archive context.

PARALLEL OPERATIONS WITH COMPLETE OVERSIGHT

The centralized storage infrastructure of jobDB™ allows concurrent access to data from distributed clients, which in turn allows time-consuming tasks to be performed in parallel on several stations. Yet every connected ingest station from ingestLINE™ continually logs specific status and operator information to the database, allowing administrators to supervise exactly what’s happening on each machine. This facilitates efficient task dispatch, helps avoid operational errors, and enables powerful reporting.

All media and data post-processing in jobDB™ runs as an automated background process. This includes consolidation of edit decisions, generation of original archive objects, production of access and proxy copies, and housekeeping. Import and export of data can be further automated with watchfolder systems over DBScripter. Users can feed the jobDB™ system with descriptive metadata from their catalogues and get back the same data plus media files in various shapes without any further administrative effort.

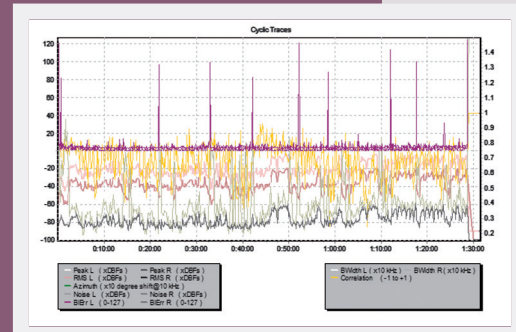
WHAT WILL YOU BUILD WITH jobDB™?

Example

1

VALIDATING QUALITY IN 60X REALTIME

The TAS (Traces Aided Spot) tool presents you with comprehensive quality parameters (such as azimuth, correlation, peak, bandwidth, noise-floor, BLER (DAT), interpolations (DAT&CD), E32 errors (CD) and more) in a two-dimensional graph, in line with the waveform together with other quality and workflow information. Algorithmic analysis can be produced by the Uniport WaveScanner or an ingest-LINE™ product, and processing of the algorithmic metadata may be done on human level or per simple scripts defining the thresholds of QC. The time and effort required for this kind of quality assurance is independent of the program time, and the reduced footprint in quality assurance dramatically increases efficiency. And, yes, it is actually possible to verify a one hour program in 60 seconds.



Traces Aided Spotlistening (TAS) with erroneous DAT BLER indication at session breaks.

Example

2

MASSIVE VIDEO INGEST WITH QC

Video material from a variety of SD video tape formats shall be digitized by an ingest application and exported towards the archive in one uniform video archive format (such as MXF OP1a). RF Traces should be analysed independently from the ingest process and the compliance of the produced files needs to be verified by a 3rd party QC engine.

Involved processors in the jobDB workflow:
FrameLector, MediaButler, VideoFileAnalyzer, Export Files



Example

3

SETTING PRIORITIES AND PLANNING AHEAD FOR CUSTOMER QUESTIONS

6000 files from Client A need to get digitized with high priority while a 2.000-file in-house backwards digitization project needs to be queued behind. All work files need to end up in the corresponding folders, but all metadata about the work done needs to be maintained such that even after the files have been delivered to the client, complete information about the process is available. This allows customer service to respond to any client inquiries that come in after the job is done.

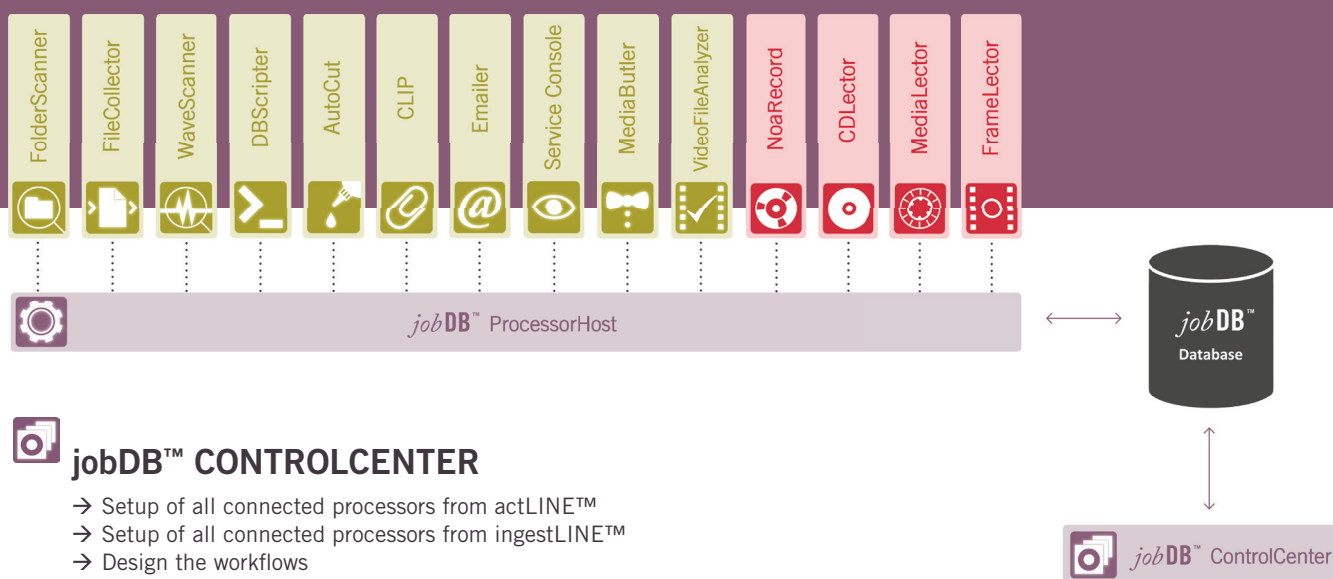
Involved processors in the jobDB workflow

jobDB ControlCenter, ingestLINE CDLector/NoaRecord/MediaLector, MediaButler

THE COMPONENTS THAT MAKE IT ALL WORK

jobDB™ WORKFLOW SYSTEM FACTS

- Multi-volume carrier support
- Carrier-splitting support
- NOA traces export to graphics file (WMF)
- Sequential XML import available for data migration
- Open to HSM or NAS storage solution
- Automated file integrity checks
- Import XML file-based workflow templates from NOA online WIKI to get the latest modules and tasktypes towards your workflow
- Starting from an All-In-One Server setup and 1 Workstation
- MSSQL backbone for highest stability
- Combination of human and processor driven tasks within ONE system
- Fully integrated document attachment for artwork including direct scanning interface (TWAIN)
- Conditional task execution allows more versatile workflows



jobDB™ CONTROLCENTER

- Setup of all connected processors from actLINE™
- Setup of all connected processors from ingestLINE™
- Design the workflows
- Organize pre-imported metadata in projects, collections, carriers, parts and tasks
- Job automation and triggering
- Direct link to produced essence files with full player support
- Print barcodes
- Simple and advanced search options (including freely customisable SQL queries)
- Full access to quality analysis (WaveScanner or ingestLINE) over TAS (Traces Aided Spot Listening)
- Carrier splitting over track-markers
- Metadata export to Excel, CSV, XML
- Artwork scanning (TWAIN interface)

jobDB™ PROCESSORHOST

- Middleware server to attach ingestLINE™ and actLINE™ processors
- Central logging of all system processes
- Removes the need for client-side drivers (NoaComm connection for processors)



IS IT POSSIBLE TO ...

... handle different ingest setups within the jobDB system?

jobDB stores all ingestLINE related data within the workflow system. Different setups of tape replayers (A807, cassette, turntables) can therefore be configured within jobDB and are loadable at start of the processor application (i.e. NoaRecord).

... integrate my external editor into the workflow?

An Exportfile task will copy the files to a site where the editors reside. The audio editor will put back the files into the workflow via a simple Uniport FolderScanner which is set to "Find mode". Further retranscoding processes may take place (i.e. MediaButler).

... create 3.000 normalized, denoised, and declicked MP3-s for preview?

Uniport FolderScanner can collect 3000 files in a folder with a dedicated command to launch a workflow. WaveScanner will decode them to a unified working format and a CEDAR denoising/declicking takes place. MediaButler will then export the files as normalized MP3-s.

... create 3 different resolutions of my lossless ingested video file?

Files which have been generated by Framelector are moved as lossless mezzanine format to the GPP. MediaButler creates n- versions of different video resolutions to meet the requirements of the different production platforms (i.e. ffv1, IMXD10, WMA, ...)

SUPPORTED TASKTYPES IN jobDB

- All ingestLINE related task-types (Digitize Tape, Capture Video, Grab CD, ...)
- actLINE task-types (i.e. MediaButler, DBScripter, Uniport FileCollector, Uniport FolderScanner, WaveScanner, VideoFileAnalyzer, ...)
- Manual Tasks (check Digitization, Manual Wind, Cataloguing, Pre-Assessment ...)
- jobDB-specific task-types (Export Files, Export Metadata, Extract BWF Metadata, Dump Markers, Compress Part, ...)
- Flow Control Tasks and execution options: Wait, Run child workflows, Hold back, Skip Conditions, AssignGhostTemplate



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