

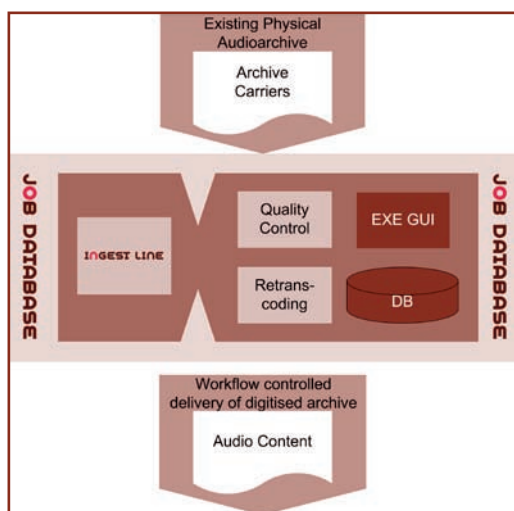
JOB DATABASE

The NOA Job Database system is designed for the co-ordinated transcription of physical audio carriers of the NOA Ingest Line to an existing MAM system.

With a design that draws on best practice recommendations from IASA and IFTA/FIAT, Job Database is implemented within dozens of institutions worldwide.

Key targets are to maximise return-on-investment (ROI) by reducing the personnel cost required for the transcription while maintaining and often improving the quality assurance standards within the workflow. This is achieved by introducing industrial principles to retrospective archive digitisation. Automation, parallelisation, acceleration, hierarchical and distributed workflows can be employed.

Efficiency bottlenecks are avoided throughout by a data-centred design, whereby jobs are dispatched from a central repository to distributed client processors, while algorithmic aids support the operators with a highly efficient quality assurance method. With all the tools required for transferring conventional carrier-based audio content to digital audio objects included, Job Database can be combined with one-to-many NOA Ingest Line clients, such as NOA Record, NOA CD-Lector, or NOA MediaLector, to build powerful system layouts.



Noise-floor, ...) in a two-dimensional graph, in line with the wave form together with other quality and workflow information. The time and effort required for this kind of quality assurance is independent of the programme time, and the reduced footprint in quality assurance dramatically increases efficiency. And, yes, it is actually possible to verify a one hour programme in 60 seconds.

Teamwork

Job Database's centralised storage infrastructure allows concurrent access to the data from distributed clients, which in turn allows parallelisation of time-consuming tasks. NOA's networked systems allow for paralleled and stepped-up ingest on several stations.

Experience has shown that those employed in the actual transcription very often undertake this as a part-time occupation, that the operators may be semi-skilled, or even that they are "non-audio" personnel altogether. Another frequent scenario is that the transcription has to be fitted in by archive staff alongside their day-to-day work. In either scenario, the focused design of the system components helps the operators to complete their tasks efficiently without in-depth training, while preventing typical yet potentially fatal operation errors.

Workflow information

Any connected ingest station from the NOA Ingest Line logs specific status and operator information to the database, allowing central identification of the individual machines. This facilitates efficient task dispatch, helps avoid operation errors, and enables powerful reporting.

At any time the administrators are kept informed about the status of any scheduled task, with a clear indication of whether it has been performed normally, if problems have occurred, or if it has failed for any reason.



www.noa-audio.com

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Validating quality in 60x realtime

Validating a 60 minute audio file in one minute? No problem with a NOA system. Don't waste your time as a high-skilled engineer with 1:1 quality checks. The TAS-Graph (Traces Aided Spot listening from Ingest Line) presents you with comprehensive quality parameters (Azimuth, Correlation, Peak, Bandwidth,

NOA Audio Solutions

VertriebsgmbH

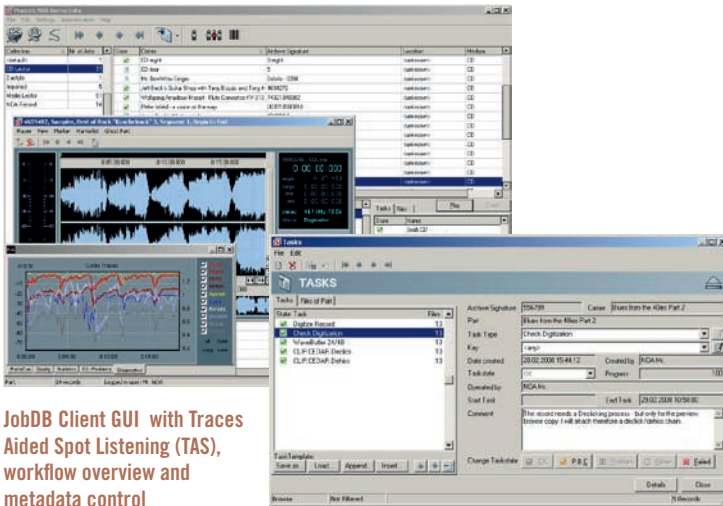
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NOA
AUDIO SOLUTIONS



JobDB Client GUI with Traces Aided Spot Listening (TAS), workflow overview and metadata control

Throughput analysis can be scripted out from the database over DB Scripser or by native SQL commands, and raw data can be processed or visualised, eg in any spreadsheet program.

Automation

Dispatching and run-down of tasks can be automated using metadata produced during the workflow, or metadata imported from a foreign system.

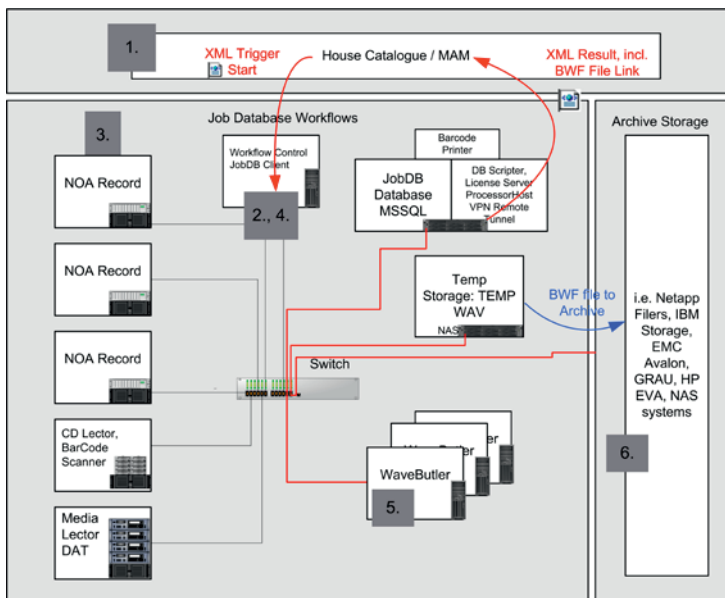
All audio and data post processing in NOA Job Database runs as an automated background process. This includes consolidation of edit decisions, generation of original archive objects (data sets), production of access and proxy copies (MP3, LowRes Wav), and housekeeping. The import and export of data can be further automated with watch-folder concepts, such as push-XML. Users can feed the Job Database system with descriptive metadata from their catalogues, and get back the same data plus audio files, without any further administrative effort.

NOA's batch processors DB-Scripser, UniPort and WaveButler facilitate the integration in any catalogue, CMS or CAR system.

Integrated Archive Audio Browser

NOA WaveWizard is an archive audio browser and editor, which is integrated into the Job Database GUI client. It allows playback of linear PCM or compressed (MPEG-1 LII, LIII) audio directly from a local path, network share or HSM. The signal is presented in line with the quality related events and NOA algorithmic traces. Access to all chunks over a BWF chunkviewer as well as track splitting, tail and head clean-up, setting markers, exporting audio segments and other archive-specific editing tasks are available.

Extended Setup with Job Database and Ingest Line with integration to an existing MAM system and connection to NAS filer as long term storage



JOB DATABASE MODULES

JobDB Database

is the NOA schema which is generally deployed under MS-SQL Server technology. The schema is usually created by transferring a dump of a default database, containing all typical processor, media and workflow descriptions.

JobDB Client

is the Win32 application which gives full access to most of the Job Database functions. Its main purposes are job scheduling, workflow control and quality assurance, as well as system management.

ProcessorHost

is the database proxy for Processors. Processors – the NOA term for task operators – connect through it to consolidate access to the database.

DBScripser

is the script interpreter for performing scripts in NOA systems. Scripts are handled through a simple and basic interpreter language and an embedded IDE. DBScripser scripts can be handled as tasks within workflows or for cyclic maintenance tasks. A set of standard scripts are delivered together with DB Scripser.

WaveButler

is the stackable offline audio retranscoding service which can be used to copy a range of audio from within a wave file and retranscode and/or deliver it to a target such as the archive. Supported formats: WAV, BWF, MP12, MP3, Different Sample Rate Conversion.

Uniport

is a general ingestion tool for sound files and the metadata that will eventually be associated with them. It allows external audio files to be checked and integrated into the workflow system on a file transfer base.

CLIP

The Command Line Interface Processor wraps any CMD-line enabled application as a workflow processor for use with the NOA workflow engine.

JOB DATABASE FACTS & FEATURES

- Control, Setup and Communication for NOA Ingest Line
- Market leader for archive transcription workflow systems
- Client-server topology
- Based upon MS SQL technology
- Organisation of metadata in Projects, Collections, Carriers, Parts and Tasks
- Multi-task job dispatch
- Job automation
- Job administration
- Traces Aided Spot listening
- End-to-end technical metadata administration
- Multi-volume carrier support
- Carrier-splitting support
- Metadata export to Excel, CSV, XML
- NOA Traces export to graphics file (WMF)
- Barcode printing support
- Artwork scanning (TWAIN interface)
- Simple and advanced search options (including free SQL queries)
- List printing and search-in-search functions
- Foreign database replication or sequential XML file import
- Open to HSM or NAS storage solution
- Automated file integrity checks