

DigaToolbar

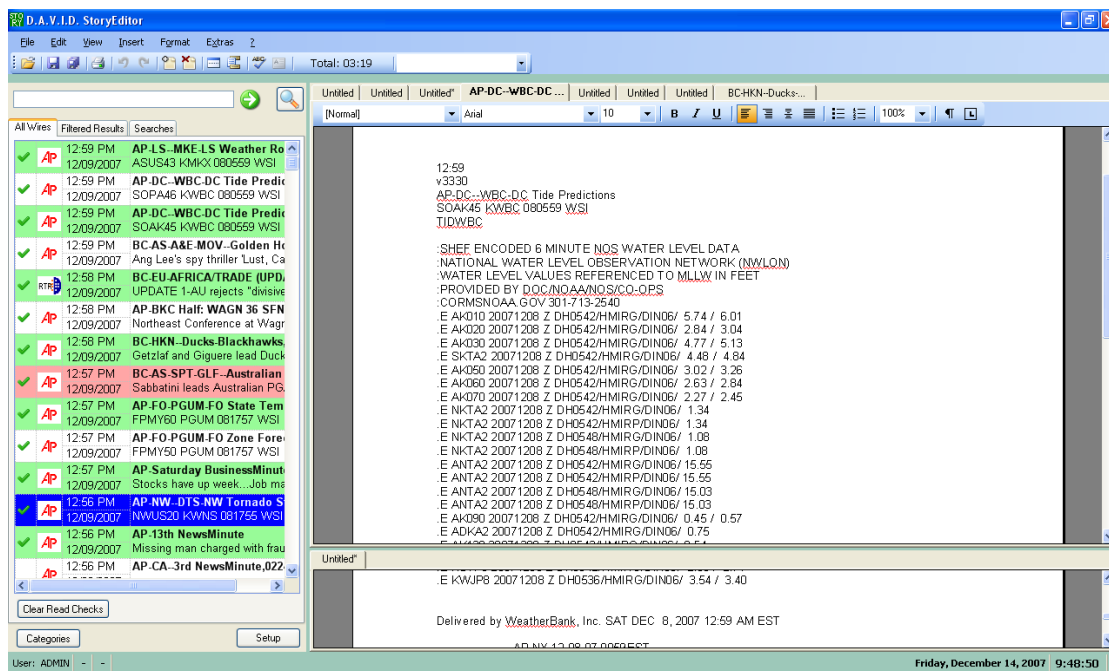
With DigaToolbar, we offer a quick launch bar with a powerful messaging system which notifies users of system events, arriving contributions and other configurable events like new items from the news wires. The DigaToolbar also features a chat system. It has been designed to centralize communication and launch other applications.

DigaToolbar is as a modular system with a plug-in structure which allows certain third-party systems to use the toolbar as a platform. It uses very little screen space and its placement can be selected according to personal preference. Wherever a user logs-in, DigaToolbar loads individualized settings from the DigaSystem registry. The DigaToolbar also offers the possibility to display a real time clock on the screen as well as one that shows the time in another time zone.



Story Editor

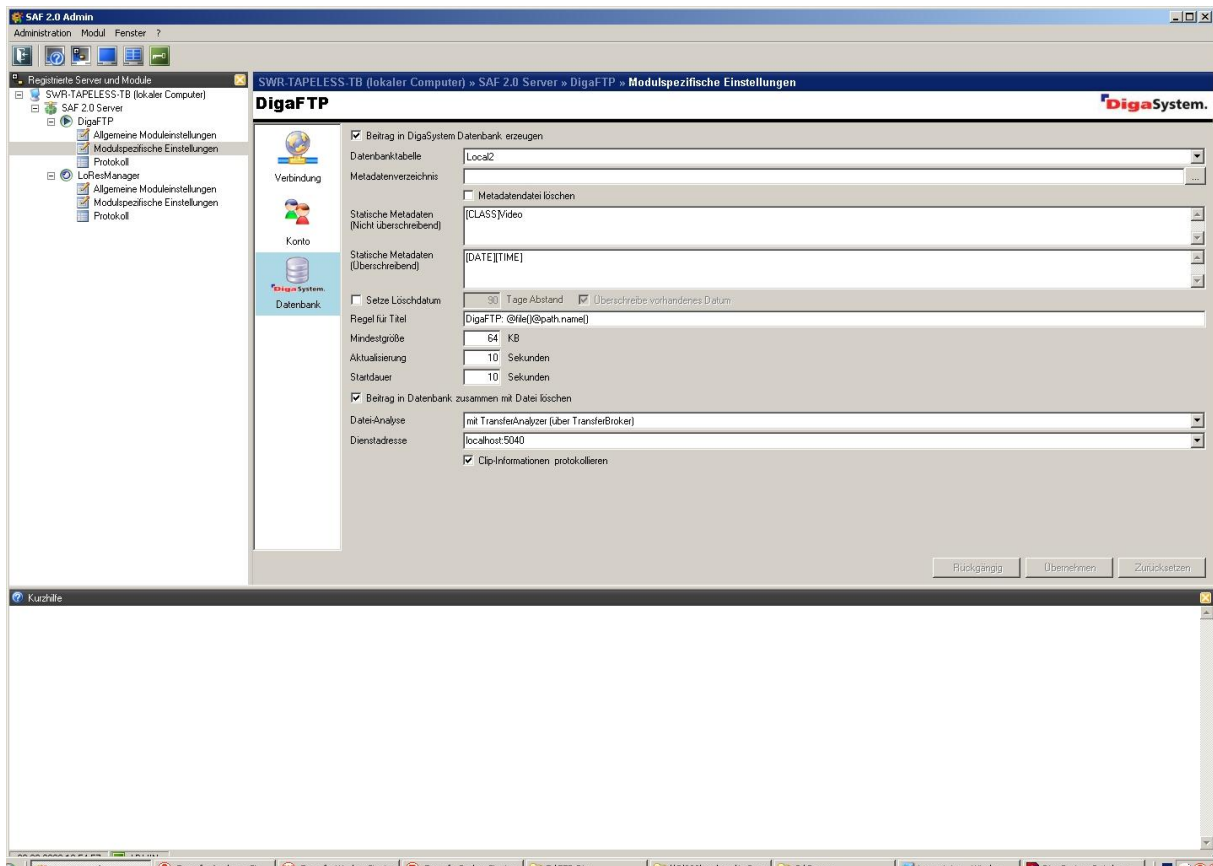
The **Story Editor** is a universal pre-production tool for combining text and audio in a single application. The look and feel is similar to the Reporter Box, a familiar component of DAVID Systems' audio editors. The story consists of audio and text elements as well as commands. Additional features are spell and grammar check, a thesaurus, notes, clip lists, durations, and other helpful features like full drag-and-drop functionality between StoryEditor and news feed or DigaSystem editors.



DigaFTP

A brand new Moves Media product is **DigaFTP**, a service for the transfer of files into DigaSystem CMS. The application allows control of simple FTP server functions by third-party systems, enables direct docking to such systems without polling. DigaFTP uses a standard FTP interface. It extracts metadata out of file names - through FTP site commands or file analysis - and creates a DBM database entry during the transfer process. Growing files are supported as well.

DigaFTP is fully integrated into the Station Automation Framework (SAF) and allows parallel operation of multiple functions. One instance is always assigned to one database table, independent of the number of transfers in process.

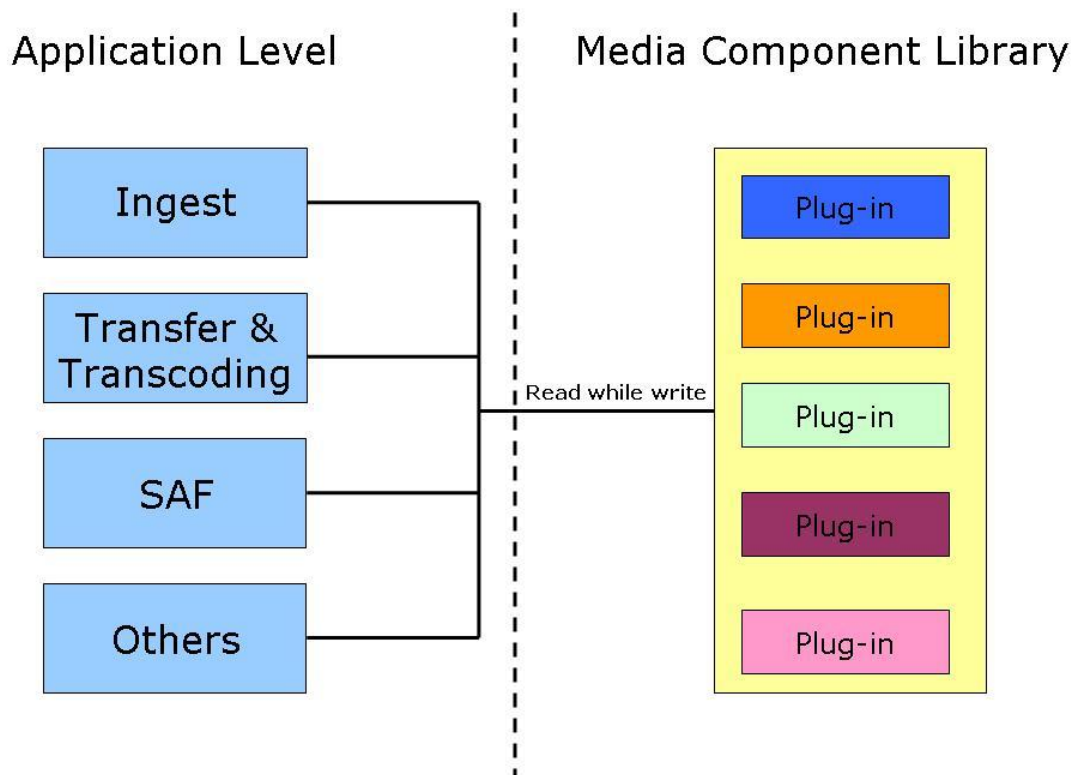


Media Component Library

Media Component Library (MCL) is DAVID Systems' new comprehensive media framework which replaces the existing Video Component Library. MCL is a future proof concept which is not only optimally adapted to modern hardware resources but can be adjusted to continually changing requirements and new workflows. The modular concept allows to enhance the application via plug-ins, e.g. for new formats or devices. MCL is integrated in our Station Application Framework and runs as desktop application or as web service. As the basis for all our video and audio technologies MCL also is the central component for all ingest and transcoding processes as well as for render services.

Fields of application

- Ingest and encoding
 - File ingest (USB, FTP)
 - Capture & encoding
 - Ingest of video streams from external devices (422VTR, Firewire, live, ...)
 - Parallel encoding for low-res proxy generation
- Transcoding
 - All transcoding processes like file transfer, copy tasks, import from 3rd party systems (e.g. video servers), archives, download/upload
- Transcoding module for SAF
- Transcoding module for DigaTransfer System
- Transcoding module for MailboxIP
- Transcoding module for 3rd party environments
- Distributed transcoding – locally or via network
- Distributed rendering (Render Service e.g. for DigaCut MT)



LoRes Manager

LoRes Manager controls the automatic generation of low-res copies while the transcoding itself is done by the DigaTransfer System. This task sharing results in a highly scalable system because all that is required when the system load is nearing capacity is to simply increase the number of TransferWorkers. The most important features are:

- Switch low-res generation on and off within a database table.
- A configurable table is monitored. If a low-res copy is missing, LoRes Manager automatically generates it and completes the database entry with the respective metadata.
- Storage location for low-res files is freely configurable.
- Configurable low-res format (the chosen format must be available in the conversion library).
- Video parameter: codec, data rate, image size, and de-interlacing
Audio parameter: codec, data rate, quantization, and sample rate
- The copy is marked as low-res in the media list of the contribution.
- Availability of a low-res copy is shown in the Database Manager.
- Errors during low-res generation are reported in Database Manager.
- Database alignment based on the media list during overnights – checks if all registered low-res copies are available.
- If the check results find inconsistent data for the database and file server, LoRes Manager sends a command to the TransferBroker to generate the missing low-res file.

The screenshot shows the SAF 2.0 Admin interface. The main window displays the LoResManager module status for the SWR-TAPELESS-TB (lokaler Computer) server. The status is summarized by three colored boxes: a green box with '0' for 'Warteschlange' (Queue), a yellow box with '1' for 'Gestartet' (Started), and a red box with '0' for 'Fehler' (Error). Below this, a table titled 'Übersicht: 1 Zeilen' shows one entry in progress.

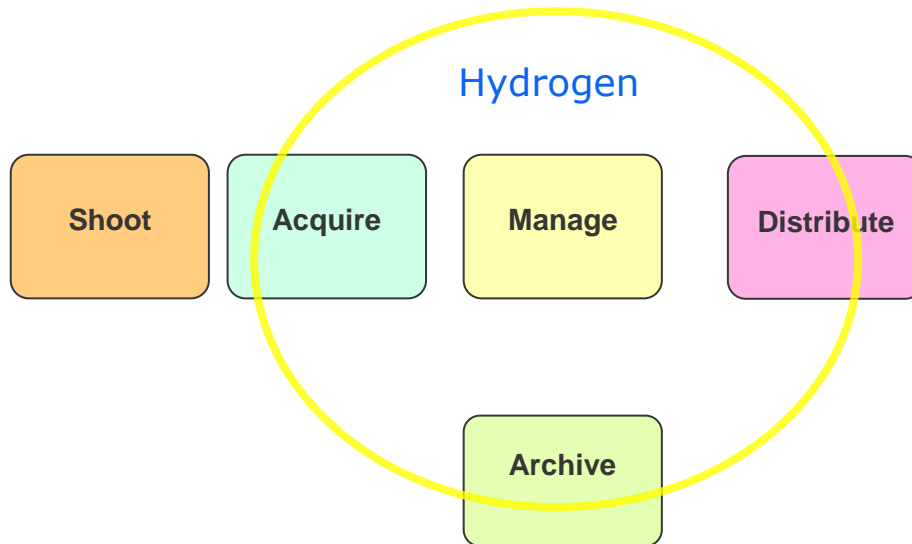
Datum/Zeit	Datenbank ID	Titel
In progress: 26.06.2008 13:55:52	LocalDigas\Local21...	DigaFTP: SUP-1min-Ömneo...

At the bottom, a legend titled 'Name des Moduls' explains the status icons:

- Unknown**: Das Modul wurde vom Server registriert. Der Ausführungszustand ist aber unbekannt. Der Zustand **Unknown** wird in folgenden Fällen angezeigt:
 - Es besteht keine Verbindung zum Server.
 - Es besteht eine Verbindung zum Server, der Server liefert jedoch keine Rückmeldung über das Modul. In den meisten Fällen handelt es sich um ein nicht mehr geladenes oder ein unbekanntes Modul. Der Registrierungseintrag für solche Module kann noch nützlich sein, wenn die Modulkonfiguration gespeichert bleiben soll.
- Stopped**: Das Modul ist vom Server geladen, ist aber nicht aktiv. Der Server wird das Modul nicht ausführen.
- Waiting**: Das Modul ist vom Server geladen und aktiv. Es wartet auf einen Auslöser für die nächste Ausführung. Auslöser bzw. Auslösezeitpunkte werden bei den allgemeinen Moduleinstellungen konfiguriert.
- Running**: Das Modul befindet sich gerade in Ausführung. Die laufenden Aktivitäten des Moduls können auf den Aktivitätsseiten beobachtet werden.
- RunningToFinish**: Das Modul wird gerade ausgeführt. Es wird angehalten (in den Zustand Stopped gebracht) wenn die gerade laufende Ausführung vollständig abgearbeitet wurde.
- Aborting**: Das Modul wird gerade ausgeführt. Es ist eine Anfrage an das Modul gestellt, die Abarbeitung der laufenden Ausführung abzubrechen. Ob dies geschieht, ob dies möglich ist hängt vom betreffenden Modul ab. Ein Abbruch kann deshalb unterschiedlich lange dauern.
- Killing**: Das Modul wird gerade ausgeführt und die Ausführung wird extern, d.h. vom Server, abgebrochen.

Hydrogen Lifecycle Management

Hydrogen Lifecycle Management (HLM) turns your now co-existing systems into co-operating systems. HLM is the universal adapter and guarantees a continuous media life cycle that is essential for optimal workflows. A new architectural model provides an integrated production and archive with only one application set and one set of information infrastructure helps improving time-to-air, increasing the repurposing of archive content or producing more content in the same time.



The broadcast value chain

As core of the enterprise wide systems landscape HLM glues together all components of modern media production. It integrates systems and workflows like news production, program production, newsroom system, rights management system or legacy systems based on a central media repository. At the same time it is used for information sharing between functions, departments, systems, different media types and even between organizations. With its open interfaces and helper applications it provides the most crucial functionality for media professionals.

Key Features

- Extensive content sharing with access control for users/groups
- Manages both essence and metadata allowing content sharing
- Web-based user interface with individual, workflow-specific settings for every user
- Customizable graphical front end for queries
- Viewing metadata, key frames and browsing
- Genealogy providing media tracking
- Traffic lights rights management
- Search Engine with powerful free text search, filtering, paging, scoring and highlighting
Thesauruses and combined searches of relational & free text
- Results caching for quicker access to topical or historical material
- Security model for access control applied to both essence and metadata
- Comprehensive audit trail
- Extensive metadata model based on an EBU supported standard
- Fully distributed and scalable architecture

- Both high availability and disaster recovery option available
- Comprehensive XML based API provides an open architecture
- Built on Oracle technology which is included as part of the product