

DNA Evolution™ Version 3.0: Release Features

Enhancements and Fixes

- **New MAM Engine**
 - Expanded format support for over 150 file types including: Avid® MXF Op-Atom, Panasonic® P2, RED®, ARRI RAW, and Adobe® Illustrator®
 - Automated clip extractor for supported file types creates clips as it is archiving media for easy browsing
 - *Smart Browse*
 - Automated metadata extraction and indexing of every field for supported file types
 - Advanced search across all extracted metadata fields
 - Improved Web-based low-resolution previews
 - Full metadata view of all fields of over 150 file formats
 - Refer to the document: “DNA Evolution v3.0: Format Support” for a complete list of format support
- **Smart Conform**
 - Advanced fuzzy matching engine can accommodate any conform workflow, support for:
 - RED R3D® from AAF and transcoded Avid MXF Op-Atom
 - ArriRAW, DPX, EXR from AAF and transcoded Avid MXF Op-Atom: All frames of the original transcoded clip will be restored, not just the frames used in a timeline/sequence; specific frame restore capability will be available in a future release
 - MOVs, (e.g., GoPro®, Canon® 5D/7D, ProRes, Blackmagic), from AAF and transcoded Avid MXF Op-Atom
 - P2 from AAF and transcoded Avid MXF Op-Atom: Spanned clips are also supported
 - Sony® XDCAM from AAF and transcoded Avid MXF Op-Atom: Spanned clips are also supported
 - XDCAM EX from AAF and transcoded Avid MXF Op-Atom: Spanned clips are also supported
 - Canon® XF from AAF and transcoded Avid MXF Op-Atom: Spanned clips are also supported
 - Sony® F65/F50/F55 from AAF and transcoded Avid MXF Op-Atom
 - Avid Hi-Res MXF Op-Atom from AAF and transcoded Avid Low-Res MXF Op-Atom
 - Continued support for these conforms:
 - P2 from Final Cut Pro® 7 XML
 - XDCAM from Final Cut Pro 7 XML
 - MOV from Final Cut Pro 7 XML
 - EDL based conforms for RED (R3D)
- **Improved Archiving and Restore Workflows**
 - AAF archiving and restore: Supports Avid sequence archiving and restore
 - XML archiving and restore: Supports Final Cut Pro 7, Adobe bin, sequence, project archiving and restore
 - Automatic Duck HTML archiving and restore: Adds support for full Avid project archiving and restore
- **Web-based Tagging**
 - Easily create a tagging template in Microsoft® Excel for use within DNA Evolution archives; tagging templates are then imported into an archive by an admin
 - Templates can include the following:
 - *Pre-defined* value fields that cannot be changed by the user, protecting against spelling mistakes and providing consistent data input across multiple users
 - single value fields
 - multiple choice value fields
 - *Free text* fields provide the flexibility to add any additional text
 - Admins can add, update, and change field definitions on-demand with no restrictions
 - Any field can be marked as optional or mandatory: If mandatory fields are not filled in, the tagging and archiving user cannot run the archive

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- **Tape Online/Offline**
 - End users with autoloaders can visually identify if a tape is in the autoloader for archive and restore jobs making it easy to see if a job is ready to be started
 - This is not supported for standalone drives as there is no barcode reader
- **Global Search**
 - Search across archives for files, clips, and other metadata fields
- **GUI Enhancements**
 - Ability to resize all screens
 - Improved keyboard usage with tab and enter keys
- **Dashboard View**
 - Provides a list of all jobs and archives
 - Filter using archive name, running status, failed status or warning status
- **Advanced Tape Tools**
 - Batch format: Allows for multiple tapes to be formatted simultaneously
 - Batch verify: Allows for multiple tapes to be verified simultaneously
 - Batch duplication: Allows for multiple tapes to be duplicated simultaneously
- **Administrator Tools**
 - Admin upgrader can run future DNA Evolution version upgrades without customer support involvement
 - Mac® and Linux® hardware checker: Ensures LTO hardware is connected (NOTE: Supported only for StorageDNA LTO hardware)
 - Mac and Linux Archive Manager shutdown script: Ensures all services are shutdown cleanly and all LTO tapes are un-mounted before shutdown ensuring a clean system
 - Mac and Linux software version display: Shows the current version of all software running
 - Mac and Linux Log Enable, Disable, Collect: Allows for logs to be enabled and collected by end users for analysis by StorageDNA technical personnel
 - On-demand Backup: Allows an admin to run a backup of the catalogs on-demand in addition to the regularly scheduled backups; useful if the admin wants to ensure consistency
 - On-demand Preview Indexing: Allows an admin to index the previews on-demand in addition to the regularly scheduled indexing
- **CatDV Support**
 - CatDV reverse workflow: DNA Evolution interface drives the archive and then reports the status into CatDV, avoiding the CatDV worker, for faster archiving
 - Note: Restore jobs will still run from the CatDV interface
- **Avid® Interplay® Support**
 - Added support for Avid Interplay database browse
 - Added support for multi-folder archiving and restore
 - Automated mapping for directories on ISIS® Mac client
- **Additional Fixes**
 - Support for large restores over 100,000 files
 - Clear out of existing file entries in the database if a tape is re-formatted
 - Fix of logging issue during ticket conversion: alleviates the diagnosis of why tickets do not convert during a regular restore or conform

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- Support for restoring empty folders: This supports workflows, such as XDCAM, that may have empty folders in some cases
- **Performance and Workflow Enhancements: Availability 4th Quarter 2013**
 - *XSIO Storage Accelerator*: Included in every DNA Evolution system and designed to give you maximum performance by tuning archive and restore speeds to your deployed NAS or SAN storage
 - Network-specific delivery formats: Allows easy delivery of LTO tape formats for Discovery, TNT, and other studios and broadcasters
 - Optional Add-on Features:
 - *XSIO Multi-Job Accelerator*: Utilizes multiple LTO drives in-parallel and multiple data movers and archive managers to achieve maximum archive and restore performance
 - *Smart Access LTO*: Makes your LTO offline archive directly accessible like nearline storage and gives third-party applications direct access to files from the LTO tape