

# DNA Evolution Solutions

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## Archiving Camera Masters

Efficient workflow for creating digital tape masters

### Works with existing offload applications

Designed to work with existing workflows and apps like Shotgun, Red Data Manager etc.

### Web-based interface (Archive, browse, search, preview, restore)

Enables you to archive, restore and browse your data like a file-system on the web. Also enables previews and metadata search.

### Create multiple tapes in parallel

Allows you to easily and in-parallel create multiple tape copies for added protection.

### Integrates Nearline disk & LTO-5 tape

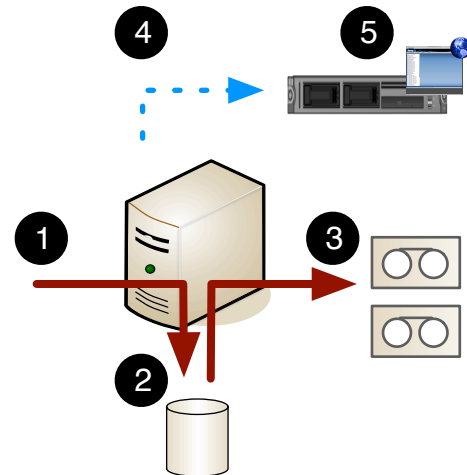
Integrates Nearline disk for faster offloads and browse workflows (e.g. AMA).

### Hardware Flexibility & Performance

Enables you to build your own hardware with direct attached LTO-5 drives/disk for highest offload performance. (\* Uses an out-of-band server for management only)

### Uses LTF5/LTO-5 ensuring open access

Files written to tape can be directly accessed by anyone with an LTO-5 tape drive.



### Archiving Camera Masters Workflow

- (1) Applications (R3D etc.) offload content to disk for fastest turn-around of camera storage.
- (2) Nearline disk is used for browse workflows (AMA), verification, asset cataloging.
- (3) DNA Evolution auto-archives from watch folder on Nearline disk to direct attached LTO-5 drives. Enables multiple copies.
- (4) Previews and indexes are uploaded to DNA server via low bandwidth LAN or WAN link.
- (5) Server presents web interface to browse, play previews and restore.

## Avid & Final Cut Archiving

Efficient archiving and retrieval for Avid and Final Cut

### Web archiving of any system on the network

Allows you to archive any Avid/Final Cut system or SAN on your network via a simple web interface.

### Web browse, search & previews

Browse your entire archive like a file-system on the web. Also enables search across metadata and previews.

### Tape spanning & Library management

Manages libraries and tape spanning for multiple terabyte archives and restores across tapes as well.

### Intelligent Archiving

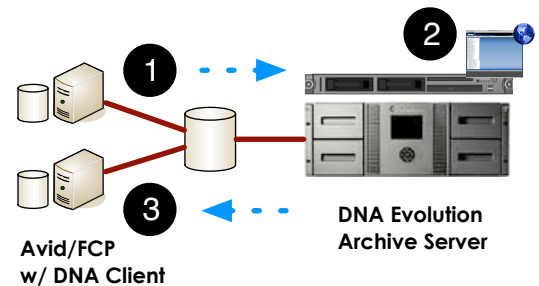
Archive media for a project using multiple attributes e.g. project name (MXF file), file size, file age. Support AAF exports or XML export archiving.

### Sequence retrievals or end-user web restore

Select files you want to restore from the web or export an AAF/XML of an offline sequence. Media is auto-restored to original location.

### Integrates both disk and LTO-5 tape

Allows you to use Nearline disk as a cache for faster archives and restores.



### Archive, Search, Browse and Restore For Avid/Final Cut To LTO5/Disk

- (1) Archive Avid/FC media on any system in your network via the central web interface. Archive directly to LTO-5/LTF5 or via Nearline disk. Archive based on folders, attributes (e.g. project name, size etc.) or via AAF, XML sequence exports.
- (2) Browse your Avid or Final Cut archive through the web interface as a file-system. Also enables meta-data search and the ability to preview files from the web.
- (3) Simply select files from the web interface to restore. Or export an AAF/XML file of an offline sequence to restore media back to your original location.

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## Manage Your SAN Storage

Workflows to offload your SAN and retrieve media

### Setup automated offload policies for any SAN

Use a web interface to setup automated offload policies based on file attributes (file name, size, age etc.).

### Web browse, previews & search

Give end users the ability to browse offloaded data via a web interface. Even enable previews and metadata search

### Any media SAN, Any application data

Integrates with most media SANs and works with any application data or files.

### Checksum and source removal

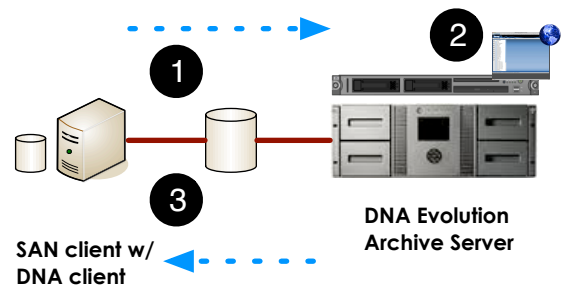
Intelligently checksums each file on LTO-5 before removing it from your online SAN protecting against accidental removals.

### Simple end-user driven web restore

Give end users a simple and intuitive way to restore files back via a simple web based browse and search interface.

### Use Nearline Disk or LTO-5/LTFS targets

Allows you to use Nearline disk as a cache for faster archives and restores.



### SAN offload and retrieval workflow

- (1) DNA client connects to your SAN via a SAN client. A web interface allows you to set policies to offload media based on attributes (name, size, age etc.). Policies can dictate whether data should go to LTO-5 only or go to Nearline disk and LTO-5.
- (2) End users can search, browse the offloaded file-system via a web-interface.
- (3) End users can retrieve what they need by selecting media from the web-interface and initiating a restore back to its original location.

## Continuous Backup

Continuous backup for complete protection against data loss

### Automated mirroring with snapshots

Setup automated backups with incremental snapshots for previous versions. This enables you to instantly restore from data loss.

### Web browse, previews & search

Use the web interface to browse your file-system, search previous versions and also browse previews if enabled.

### Protect any system on your network

Networked solution allows you to setup backups for any system on your LAN.

### Mirror to low cost LTO-5/LTFS or to Nearline Disk

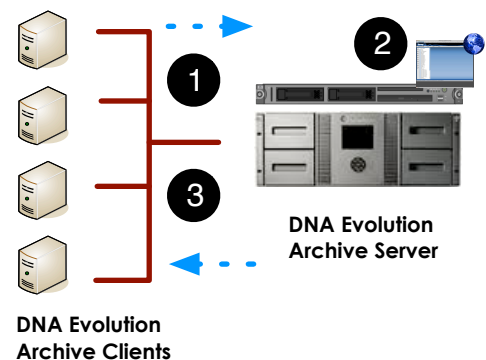
DNA Evolution can mirror to either LTO-5 or Nearline Disk giving you flexibility on how you want to deploy.

### Simple end-user driven web restore

End users get a simple web interface to select file versions they wish to restore. A single click restores files back to their original location.

### Restore in minutes compared to re-ingesting

Provides the ultimate safety net for your active protects enabling the ability to restore in minutes from SAN failure or any other data loss.



### Continuous backup & protection

- (1) DNA client installs on any system in your network. A web interface allows you to set policies to backup policies based on schedules. DNA auto-monitors and moves only new content.
- (2) End users can search, browse the backup file-system for latest and previous versions,
- (3) End users perform their own restores of files and folders back to its original location.