

NL Technology Nearchive 3.2 Update

Nearchive/Archive is now an Avid Certified Application

Describes major updates since version 2.4.

Requirements:

Nearchive 3.2 Requires Media Central version 2.3 through 2.9 for correct operation.

Nearchive 3.2 Requires Media Transcoder 3.3 for correct transcode requests.

Nearchive 3.2 Requires AutoIngest 4.7 for correct job processing.

Nearchive 3.2 Requires Web Services version 3.3 or higher for correct operations.

Nearchive 3.2 Requires the User to Use the Chrome Browser for correct remote operations.

Major Feature Changes:

- Support for BlackPearl Converged Storage System as a deep archive option.
- Added a database index service to allow indexed searches from within Media Central.
- Maintenance tool can now be scheduled at specific time slots on any day of the week.
- Supports up to Media Central 2.9.
- MongoDB updated to version 3.41.
- C++ runtime libraries have been updated.
- The user now has an option to archive all content or high-res content only.
- The user now has an option to suppress certain warning messages.
- Updated indexer to use latest Avid Platform Connector library – version 2.5.1.13
- Various manuals and guides updated to latest version.

User Interface:

- A progress bar draws on the taskbar program icon when time intensive operations are running (e.g. Maintenance tool, database rebuild).
- The Maintenance Tool now puts up a dashboard indicating progress while the tool is running.
- A missing cartridge alert notification will now alert operators when a tape or disc needs to be inserted to perform a restore.
- Additional error messages have been added to the jobs page to further detail job failure conditions.
- Tool tips have been improved to clarify what some settings are for.
- The settings dialog now has an option to show passwords if the program is running at administrative level.
- The Job status pages now reflect the migration status of content for store and restore.
- Console command to show memory state added.
- User is now warned on tape systems if the auto-delete of assets is enabled.

Operations:

- Current stored capacity is now determined using the asset database size for files. Flushed content is subtracted when the maintenance tool runs.

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- Enhanced system status has been added to the system health notification messages.
- Notification messages are now sent for more warning conditions.
- Maintenance tool can now reconstruct the asset XML file if it is corrupt.
- Added a new tool invoked with "ST" at the console to allow users to merge assets from one drive letter to another and updates all XML files and databases.
- For tape systems, restore jobs requiring a prefetch are now processed in parallel to improve performance.
- Maintenance tool now deletes expired jobs from watch folder and retry and quarantined folders.
- Site settings now validates paths when they are assigned.
- Better handling of restored media when original Avid workspace and/or folders is missing.
- For tape systems, files restored from offline are not being re-flushed after being copied to Avid storage.
- A new user setting allows the user to specific how detailed of a database check occurs on startup test.
- Auto-Delete default for logs is now 90 instead of 7 days.
- System will send notification messages for more errors with Interplay interface.
- Under some conditions, the garbage collector is forced to run to reduce allocated memory footprint.

Major Issues Resolved:

- Systems with large asset counts take a long time to start a STORE operation.
- Fixed color scheme for Windows 10 operations.
- For tape systems if there is a read error during prefetch, the system can get stuck pending on a restore.
- Asset Indexer can lock up due to a memory leak issue.
- If Interplay is not available but web services is responding, the system folder browser can get stuck.
- Certain access to the XenData module is not thread safe causing unpredictable behavior.
- The method calculating disk space used does not have error handling.
- Some cultural regions are unable to use all console commands due to unsupported letters.
- Restore is not providing detailed information for failures.
- For XenData systems, if the archive interface is not running or initialization has an error, application can crash.
- Additional error handling and causes have been added to XenData interface.
- Several conditions can lead to null pointers during file copies.
- Email set up page has numerous issues with size, position and saving content.
- An issue with the iNews schedule setup can accidentally clear the entire schedule.
- If the maintenance tool is configured to run at a time that the system starts, the application crashes.
- Watch folder event handlers are not being disconnect causing random shut down errors.
- If there are a lot of pending jobs at shutdown, the system can take a long time to stop. Jobs are now queued and the system shuts down.

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- Zero length files are being archived. They are now ignored.
- Maintenance task progress is incorrect.