ELAN Avalanche System v. 2.0.0.163

Release notes

Important

This release incorporates a System Database schema update. You will need to recreate an existing SD schema before using it in new release. You may use an existing physical database, but you will need to overwrite its contents with a new database schema (*Create schema* button in *Database Administrator* application -> *Select/Configure DB*). If you wish to retain your system wide settings (such as hub configuration) please use *Export to XML* tool of *Database Administrator* application before the uninstallation of the previous version of Avalanche System. You will then be able to use the exported data after installing the latest build and creating an up-to-date SD schema. Refer to the User Manual for more details on using the *Database Administrator*.

HFS/Job Center

A new project/job removal procedure has been implemented for handling removal of large numbers of projects/jobs without whole system performance decrease during the deletion process. Previous implementation did not ensure seamless deletion and caused system hanging.
The procedure works the following way: Actual projects' and jobs' files and folders will be deleted from the disk immediately and corresponding records will be marked for deletion in the SD so the user will not see them in JC. However, projects' and jobs' records marked for deletion in the SD will be actually removed only when the engines do not have files for processing (in idle state or turned off/stopped by user).

System Database

- **Improvement:** Avalanche components now enforce the RDBMS-side request processing plan optimization during all requests. This improves and stabilizes the SD communication performance with high number of file records in the database
- **New:** Database schema was updated to include the fields needed for new jobs and projects removal mechanics

Hot Folder Service

- **New:** Implemented new jobs and projects removal approach

● **Fixed:** Issue related to missing of file processing timeout event in some cases

Job Center

● **Improvement:** The Job Center will now periodically create log entries with SD communication statistics data (at *Trace* severity level). This data may be used to assess the SD-related system load.
● **New:** Added extra logging allowing to detect missing jobs issue in the right pane
● **New:** Added new items needed for new jobs and projects removal mechanics
● **New:** Added configuration options for logging
● **Fixed:** Memory leak problem related to closing HFS communication when switching to another SD

PDF separation engine

● **Fix:** The engine will now properly respond to Engine Host shutdown event which takes place during a time-consuming file separation
● **Improvement:** The engine will now internally control file processing time (as a backup for HFS side file processing timeout). This feature is similar to the internal timeout control mechanism of the OCR engine.
● **Fix:** The engine will now skip adding the page records generation phase when the file processing ends with error

System Monitor

● **New:** Added configuration options for logging
● **New:** Added items needed for new jobs and projects removal mechanics