

X9Ware LLC Announces X9Assist R4.03 with Mouse Wheel Scroll Support

X9Ware LLC is pleased to announce the general availability of Release 4.03, which includes enhancements to our X9Assist suite of desktop tools, our X9Utilities command line tool, and an updated SDK.

Our desktop applications now have mouse wheel scroll support in various dialogs, which greatly simplifies next / previous operations. This functionality has been added to the Field Viewer within the dashboard, the Item Viewer, and the preview function within Print Images. This is a significant usability improvement for workstations which have an attached wheel mouse.

X9Assist has improved E13B OCR recognition capabilities that have increased accuracy to 99.6% or better, subject to captured image quality. This is a complete redesign of our internally written OCR routines. This includes significantly improved skew detection, noise removal, and framing which improves MICR character identification and isolation. This new logic is better at handling varying character size, embedded document noise, and handwriting that has flowed into the MICR line characters. Throughput is substantially increased to 14-16 items per second when running on a single thread (subject to processor speed) and 50+ items per second when multi-threaded. Our built-in X9Assist Code Line Match (CLM) tool is built on top of OCR, so these code line recognition enhancements improve our CLM results. The new OCR engine can be easily evaluated using the X9Assist Item Viewer, and OCR performance can be evaluated using X9Assist CLM. These OCR tools are licensed separately from our SDK. We are focused on OCR/CLM improvements, so please let us know how we can make these tools better.

Print Tables has an improved heading line that contains information from the file header (origination, destination, create date) and file summary totals (debit totals, credit totals, record counts).

Our X9Utilities “-write” function continues to be enhanced to support x9.37 variations as implemented by endpoint processors. We believe that this tool is the most flexible product available within the marketplace today.

SDK examples have been simplified and improved and are available for download on our website.

A complete list of R4.03 enhancements:

- X9Assist dashboard viewers can be scrolled using the mouse wheel within the right button panel.
- X9Assist save-as now sets the default output folder from the original input file folder.
- X9Assist print tables headings include source/total lines which summarize overall file content.
- X9Assist print tables now defaults to the batch table as a basic summary of file content.
- X9Assist Item Viewers (x9.37/ach) and Print Image Preview can now scroll using the mouse wheel.
- X9Assist has much improved Code Line Match (CLM) based on rewritten SDK OCR recognition.
- X9Assist file name boxes (make, generate, scrub, print, etc.) have full filename rollover tool tips.
- X9Assist has expanded credit balancing parameters within program options.
- X9Assist Make/Generate can populate 28.5/35.5 from the current item sequence number.
- X9Assist Make/Generate can optionally populate bundle trailer MICR valid amount (70.4).
- X9Assist Make/Generate can optionally populate bundle trailer image count (70.5).
- X9Assist Make/Generate can optionally populate cash letter trailer ECE Institution Name (90.6).
- X9Assist Make/Generate can explicitly assign fields 50.2, 50.5, 50.6, 50.9, 50.10, and 50.15.
- X9Assist Import has a new "as is" option which imports images regardless of format, dpi, or size.
- X9Rules has new credit balancing parameters which define when credit balancing is to be applied.
- X9Rules "dateRange" rule validates a "low|high" date range based on days, weekdays, and holidays.
- OCR-E13B recognition has been rewritten with 99.6% accuracy running 14-16 items per second (50+ when threaded).
- SDK demo writer examples have been simplified by attaching images to x9items using 64bit heap.
- SDK example X9ReformatX9 changes the x9 standard, header content, and can add/remove credits.
- SDK example X9ConstructAch uses our new X9AchWriter to reformat x9.37 to an ACH ARC file.

About X9Ware LLC

X9Ware LLC (www.x9ware.com) provides extensive tools for users of the x9.37 and ACH file formats. The product line extends from a free X9/ACH viewer to a suite of tools that include validate, modify, delete, make, generate, scrub, import, export, compare, merge, repackage, and numerous other functions. X9Ware LLC strives to offer the best tools in the industry and offers consulting services based on our 35+ years of industry experience.

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