

## X9Ware LLC Announces R5.05 with Major Usability Enhancements

X9Ware LLC is pleased to announce the general availability of Release 5.05, which includes enhancements to our X9Assist suite of desktop tools, X9Utilities command line, our SDK, TIFF-KIT, and E13B-OCR recognizer.

X9Assist has a new Path Manager that tracks how files are opened and saved, relative to every function. As you use X9Assist, the Path Manager automatically remembers your folder preferences, which are persisted across sessions. X9Assist begins each file chooser panel using your last accessed folder for that function.

X9Assist has a new installer for the macOS / Linux environments. A Java JVM must be pre-installed, which we recommend as Java 17 or higher. This installer is itself a JAR file, which allows it to be run on a wide variety of platforms. The package includes separate launch scripts for macOS versus Linux. The installer unpacks the X9Assist application, resources, and associated folders into a user defined folder. For macOS, it builds an application bundle which can be pinned to your desktop. An appropriately similar approach is taken for Linux.

X9Assist now supports Mouse Wheel scrolling within the File Tree, which is located on the left side of the main panel. This new wheel scrolling is much more convenient than having to manipulate the scroll bar. This should dramatically improve one of the most used features within the application.

X9Assist and X9Utilities have a substantially improved scrub facility. Scrub can now exclude specific items from the scrub process. These items are identified using an external CSV file, which contains the routings, account numbers, and process control fields to be excluded. Wildcard characters can be used to describe complex patterns within all three fields. For example, a single entry can easily exclude all OnUs items when they are defined as "5xxxxxx" routing numbers. Separate exclusion files are provided for item MICR line scrubbing versus image scrubbing. This allows MICR lines for selected items to be excluded while their images are still scrubbed. This means that MICR lines can be excluded from certain types of OnUs documents (perhaps cash or GL tickets) while still removing the PII (personally identifiable information) from their images.

Within the Item Viewer, X9Assist has a new option to display leading and trailing blanks as bullets and not as highlighted blanks. We have brought this display option back, for those users who prefer that earlier approach.

X9Utilities has new "convert" and "repair" functions. Convert is designed to work on a "from-to" basis, and it is designed to be our long-term solution for transforming files from one format to another. This initial implementation converts XML, JSON, and COF files to x9.37. It similarly converts x9.37 files to back to COF. Repair provides the same capabilities to X9Utilities as already implemented in X9Assist.

X9Assist has other significant changes. Compare can be used against files where the items are not in the same physical order. Scrub now shows full filenames within the various file name dialog boxes. There is a new conversion of ACH-to-X9.37. For users that are purchasing online via our website, the renewal emails have been enhanced with better instructions and website links. Our embedded JVM is upgraded to Java 21, which is the latest Java Long Term Release (LTS).

Please take a look at the new release when you get the opportunity – there are a lot of great changes!

*Please help spread the word about our products! We now offer a referral credit of up to \$500 for each new customer you send our way. Just notify us within 14 days of our first contact date for each newly established customer. Referral credits are provided at the time of your next renewal.*

### About X9Ware LLC

X9Ware LLC ([www.x9ware.com](http://www.x9ware.com)) provides extensive tools for users of the x9.37, ACH, and CPA005 file formats. The product line extends from a free viewer to a suite of tools that include validate, modify, delete, make, generate, scrub, import, export, compare, merge, print, repackage, and numerous other functions. X9Ware LLC strives to provide the best tools in the industry and offers consulting services based on our 35+ years of industry experience.

**Contact:**  
X9Ware LLC  
[sales@x9ware.com](mailto:sales@x9ware.com)  
844 937-1850