FOR IMMEDIATE RELEASE (March 31, 2025)

## X9Ware LLC Announces R5.06 with Major Scrub Enhancements

X9Ware LLC is pleased to announce the general availability of Release 5.06, which includes enhancements to our X9Assist suite of desktop tools, X9Utilities command line, our SDK, TIFF-KIT, and E13B-OCR recognizer.

We are excited to introduce a significant enhancement to our Scrub function, which is the new multi-mode facility. This powerful addition streamlines the creation of test files from production data while ensuring the removal of Personally Identifiable Information (PII) from both data and images. Within transaction processing, different account types and transaction categories often contain unique data patterns. To accurately assign legitimate replacement items, specific attributes are required for item groups such as checking, savings, cash tickets, general ledger tickets, transit, and various other document types. Our new multi-mode format addresses these complexities by enabling the definition of account groups—typically tied to specific application systems—with their own externally defined use case files or randomized generation parameters.

A Scrub multi-mode configuration consists of generator settings and MOD check routine definitions. Each group can reference an external CSV use case file or use randomized generation with configurable parameters. An optional "OTHER" group can handle any unmatched items. This new facility ensures that Scrub can sanitize data uniquely for each defined category, accommodating routing numbers, account number ranges, transaction codes, and MOD check routines. The system supports wildcard assignments, allowing items to be assigned to all defined categories on a hierarchical basis. This advanced functionality is now available across our entire product suite, including X9Assist, X9Utilities, and the SDK.

X9Assist now offers greater flexibility in assigning the user home folder, which is typically x9_assist within the User Documents directory. This enhancement is particularly beneficial for users whose User Documents folder has been redirected to OneDrive or another cloud storage solution, as it allows improved performance by relocating the X9Assist home folder to a local drive. Users can specify an override location for the home folder through the command line, program options, or a custom preferences file.

To address challenges faced by users with restricted access to x9ware.com, our online purchases now include both an online and offline version of the issued license key. This ensures that users behind firewalls can activate their software using the provided offline license key, eliminating prior registration barriers.

Based on user feedback, we have made significant improvements to our macOS and Linux installation processes. Both the installation and launch scripts have been rewritten to enhance usability. We welcome additional feedback on how we can further streamline installation experiences on these platforms.

X9Utilities introduces several useful improvements. Image Pull can now reference external tables to define routing and account numbers for image extraction. Additionally, extracted images can be converted to various formats, including PNG, JPG, and GIF. Enhancements to the COF-to-X9.37 conversion facility now provides greater capability and expanded functionality.

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) 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.

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