

X9Ware LLC Announces X9Assist R3.07 with Make/Generate Improvements

ST. LOUIS, Missouri (March 6, 2017) - X9Ware LLC announces the general availability of Release 3.07 of X9Assist (our Check21 image exchange desktop tool), X9Utilities (our command line tool), and the SDK (our Java software developer's kit). Please write to x9assist@x9ware.com to obtain an evaluation for any of our products.

Make/Generate has several improvements. Make will now automatically draw the payee, memo, and signature fields as multiline (within the image) when the use case text length requires it. More characters are now available when purposefully drawing invalid MICR lines for negative use case testing. Finally, our invalid image process has been rewritten to draw errant TIFF images directly from the use case data.

The X9Assist user interface has been substantially redesigned with a more modern UI consistently applied across the application. The dashboard has been enhanced with new tabs on the right which are now used to display field level summary information including records, errors, cash letters, bundles, and items.

New validation rules allow x9 files to be parsed without applying more detailed rules against x9 fields and tiff images. This validation is useful when you only want to open a file and confirm content at a high level without applying more stringent tests. A new options flag allows all EOFB tests to be purposefully ignored. A new test-pass-fail facility has been implemented which essentially allows "if-then" validations to be implemented at the field level as part of x9 rules. These new edits are especially applicable to type 68 user record definitions.

A complete list of R3.07 enhancements is as follows:

- Moved file level information within the dashboard to new tabs located on the right.
- Moved File Summary information from the File menu to the new dashboard Info tab.
- Errors tab columns reorganized to make field number and field name more visible.
- New configuration "x9.dstu-no-field-validations" only checks basic x9 file structure.
- New test-pass-fail edits support more complex cross field validation requirements.
- Make use case item type of "*" is an alternative way of identifying a comment row.
- Make/Generate has multiline text support for payee, memo, and signature fields.
- Make/Generate accepts more characters for MICR line negative use case testing.
- Make/Generate/Scrub/SdkDraw uses 20% less cpu resources when drawing images.
- Merge can optionally write directly to an output file bypassing the intermediate x9.
- Export x9 with images has simplified dialog which assumes image folder location.
- About has a new button to launch a viewer of third party licenses and copyrights.
- Invalid image test cases are now dynamically drawn from actual item data.
- Invalid image test cases have improved drawing of too light and too dark images.
- Invalid image test cases have new slanted-right, slanted-left, and piggyback images.
- Invalid image test case names are inserted into the back image for identification.
- Modify of amount within type25/31 records now optionally updates trailer records.
- Tiff tag viewer now displays the tiff directory in more situations for errant images.
- External maximum image size for the Tiff Tester has been increased from 500kb to 1mb.
- Errors can have alternate severity levels depending on the current x9 configuration.
- New program options flag allows EOFB errors to be ignored for all x9 configurations.
- Logs moved to the new work folder which can be overridden via options and properties.
- Improved detection and diagnostics of malformed x9.100-180 type 52 image records.
- SDK includes new encoder and writer functions for gray scale and color tiff images.
- SDK implements Closeable in X9SdkIO, X9Reader, X9Writer, X9CsvReader, X9CsvWriter.
- X9Utilities "-write" enhanced to allow secondary endorsements to be attached to items.
- X9Utilities "-imagePull" can extract images and item level data from archived x9 files.

About X9Ware LLC

X9Ware LLC (www.x9ware.com) provides extensive tools for users of the various x9.37 file specifications. The product line extends from a free x9 viewer to 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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