

## X9Ware LLC Announces X9Assist R3.10 with Completed ACH Support

X9Ware LLC is pleased to announce the general availability of Release 3.10, which includes our X9Assist suite of desktop tools, our X9Utilities command line tool, and an updated SDK. R3.10 represents our completion of work efforts which provide dual X9/ACH file support. ACH tools now include browse, validate, find, search/replace, filtering, modify, repair, make/generate, import/export, merge, create, scrub, compare, clone, and repackage.

X9 and ACH browse functionality is included in all of our desktop products as core (freely available) tools. Users can then choose to license our more advanced X9 tools, ACH tools, or both X9/ACH on a combined basis. ACH is made available via our new AchValidator and AchAssist products. Dual support for both X9 and ACH is available through X9ValidatorPlus and X9AssistPlus. We see this as an exciting and logical addition to our product line and welcome your comments and suggestions.

Make/Generate has been streamlined into a single integrated function using a consolidated user interface. This new design allows Make and Generate to be run independently (as separate tools) or on an integrated basis. All previous Make/Generate functionality has been retained which simplifies the transition to this new design.

Other key changes in this release include Search/Replace and Export enhancements, improved support for varying screen sizes, better identification of mailbox/gateway routing records, overall performance improvements, and a series new X9Utilities/writer options which further extend our ability to create x9 files for virtually all financial institutions and third party processors. A complete list of R3.10 enhancements is as follows:

- Completion of our ACH development work. ACH functions have been extended to include scrub, make/generate, compare, create, clone, and repackage.
- Make/Generate has been streamlined into a single function using a consolidated user interface.
- Make/Generate use case files now support XLSM in addition to XLS, XLSX, and CSV.
- Make/Generate ACH reformatters added which support all standard entry classes.
- Make/Generate now separately identifies header rows as "H" and comment lines as "".
- Make/Generate comment lines within Excel files can be color coded using conditional formatting.
- Make/Generate no longer parses header rows which eliminates the potential for unbalanced strings.
- Generate can still be run as a stand alone and external process from Make when/if desired.
- Validation auto discovery of type 61 item count impact on bundle, cash letter, and file trailers.
- Export into fixed columns parses type 25/31 MICR OnUs into field4, account, and process control.
- Find will optionally reset all input fields before each new find dialog is initiated.
- Search/Replace can search on low-high ranges in addition to explicit string values.
- Search/Replace can search within MICR OnUs subfields (field4, account, process control).
- Repackage provides new credits first parameter (which is applicable to x9 ICL deposits).
- Dashboard images tab includes a copy button which copies the current image item to the clipboard.
- Compare enhanced to launch external Meld comparisons (in addition to WinMerge & UltraCompare).
- ACH files can be opened in the viewer even when field 5.6 (standard entry class) is invalid.
- Improved support for varying screen sizes (both larger and smaller than our optimal 1366x768).
- Improved support for mailbox/gateway routing records which may exist on the front of x9 files
- X9Assist compiled distribution updated to SE8U144 and is 20% faster for large scale operations.
- X9Utilities write has new credit profile capability which creates multi-deposit x9 files.
- X9Utilities write has new credit structure parameter which creates single item deposits.
- X9Utilities export new "awe" command line switch that aborts when the input x9 file is empty.
- X9Utilities export to csv can be limited to specific x9 record types.
- X9Utilities export can export from folders of x9 files to all available output csv formats.
- X9Utilities functions logs all switches and options as specified on the command line.
- Enhanced security manager with permissions stored in new file /policy/x9wareSecurity.policy.
- Evaluation mode changed from X9Assist to X9AssistPlus and now includes ACH capabilities.

## About X9Ware LLC

X9Ware LLC ([www.x9ware.com](http://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.

**Contact:**  
X9Ware LLC  
[sales@x9ware.com](mailto:sales@x9ware.com)  
314-580-3465