

# ZZUtils



## What's New in Version 2?

Several utilities have been enhanced and several new functions have been added to **ZZUtils** in version 2. Also, the user interface has been improved.

### Global Improvements

- User interface** All screens and reports have been standardized with a common header and the use of PF keys.
- Customization** All customization is controlled through a single source module. For example users may specify their organization's name for use in all maps and report headers.
- Security** During customization library-specific utilities may be secured. An unsecured utility allows the user to specify the Natural library to be processed. A secured utility will act upon only the user's current library.
- Standards** Many utilities which had accessed FUSER directly have been modified to use Natural's user exits (USR routines).
- Help text** With few exceptions, all utilities provide help text at the screen and field levels.

### Enhanced Utilities

- ZZUTILS** The menu program has been enhanced to allow for multiple pages of functions. The number of user-defined functions is limited only by the amount of memory available to Natural. Functions may be grouped by forcing entries to a new column or a new page.
- ZZADACMD** In addition to Natural 2 support, **ZZADACMD** processes catalogued objects for Natural version 3.
- ZZDATES** **ZZDATES** now converts to and from Natural's \*TIMESTAMP value (IBM's internal STORCLOCK). The user-specified date and time may be incremented or decremented by an elapsed time, specified in days, hours and minutes.
- ZZPUNCH** Source modules may now be punched with an optional header line, or the punched output may be limited to module headers. These output options are used in library-to-library comparisons.
- ZZTMSTMP** Date and time stamps may be converted to and from the internal STORCLOCK value used by Natural's \*TIMESTAMP variable.



## New Utilities

<b>ZZCOPYBK</b>	converts an LDA into a COBOL copybook.
<b>ZZCOPINC</b>	converts (incorporates) a COBOL copybook into an LDA.
<b>ZZSCAN</b>	scans a Natural library for occurrences of one or more character strings. Optionally a WORK file of the output may be created for subsequent processing.
<b>ZZSEARCH</b>	searches for a module name or wild card in all libraries within multiple, user-specified FUSER files. Timestamp data are displayed for each occurrence.
<b>ZZTDOC</b>	creates documentation for source code walkthroughs. Natural, COBOL, JCL, Proc, PDS control member, and sample output listings are combined into a single, formatted Word document, with title page and table of contents. All source changes are highlighted (shaded) for easy identification. For each Natural module, a listing of embedded Adabas commands is included, via <b>ZZADACMD</b> .
<b>ZZTDPROF</b>	maintains user profiles for <b>ZZTDOC</b> . The profiles allow for user customization which expedites data entry within <b>ZZTDOC</b> .
<b>ZZVPARM</b>	converts a DDM into a parameter data area (with field name, format, and length attributes). The parameter data areas are used within subprograms to which database fields are passed.

## Retired Utilities

<b>ZZCOMP</b>	This source comparison utility has been replaced by <b>ZZTDOC</b> .
<b>ZZCOMPM</b>	This source comparison utility has been replaced by <b>ZZTDOC</b> . Internally, <b>ZZCOMPM</b> invoked <b>ZZPUNCH</b> , which is still available.

## For more information ...

- See a complete list of **ZZUtils** functions at [www.ZZUtils.com/download.html](http://www.ZZUtils.com/download.html)
- See sample screen shots at [www.ZZUtils.com/screens.html](http://www.ZZUtils.com/screens.html)
- Download sample reports at [www.ZZUtils.com/download.html](http://www.ZZUtils.com/download.html)

Contact:  
Ralph Zbrog  
LEN CONSULTING LLC  
562 208 5470 (USA)  
RGZbrog@ZZUtils.com



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