

ZZUtils



Installation and Customization

Installation

Follow this simple procedure.

1	Unzip the ZZUTIL20.zip file, creating ZZUTIL20.ffb in a temporary PC directory.
2	Allocate a flat file on the mainframe: RECFM=F RECL=250 BLKSIZE=250 SPACE=(CYL,(4,1))
3	FTP the unzipped file to the allocated dataset. binary put zzutil20.ffb <i>mainframe.dataset</i> fixrecfm 250 where <i>mainframe.dataset</i> is the name of the dataset you allocated in Step 2. The characteristics of the resulting dataset may be changed by the FTP to F/0/250.
4	Use Natural Security, if applicable, to create and secure library ZZUTILS .
5	Scan the uploaded file to verify its contents. This is a standard NATLOAD job. logon ... inpl S fin Approximately 65 modules will be found.
6	Load the ZZUTILS library. This is a standard NATLOAD job. logon ... inpl L fin

Natural Environment

The following Natural user exits must be available (in the steplib chain or in the SYSTEM library):

Used by all ZZUtils	ZZUtils by User Exit	User Exits by ZZUtils
USR1005N	USR0080N ZZLIST	ZZLIST USR0080N
USR1031N	ZZLOCATE	USR2013N
USR1055N	ZZSEARCH	ZZLOCATE USR0080N
USR2026N	ZZTDOC	ZZSEARCH USR0080N
USR2031N	ZZVPMNT	ZZTDOC USR1043N
	USR1043N ZZSEARCH	USR0080N
	USR1057N ZZTDOC	USR1031N
	ZZTDPMT	USR1057N
	USR1067N ZZTDOC	USR1067N
	USR2013N ZZLIST	USR2018N
	USR2018N ZZTDOC	ZZTDPMT USR1057N
	USR2019N ZZTDPMT	USR2019N
		ZZVPMNT USR0080N

Presuming the availability of the USR routines, most of the utilities will execute immediately following their load into the **ZZUTILS** library.

Customization

Many utilities *may* be customized and several utilities *must* be customized.

ZZCUSTOM module	The ZZCUSTOM source module contains directions for customizing the ZZUtils environment. Create a single environment for all users by cataloging ZZCUSTOM in a Natural library defined to the STEPLIB chain or in the SYSTEM library. Create specific environments for specific users or user groups by cataloging ZZCUSTOM in the appropriate Natural library.
ZZTDOC	To implement ZZTDOC , follow the customization instructions in Chapter 4 of <i>ZZTDOC Utility.doc</i> , distributed with the ZZUtils software.
ZZUtils module	The ZZUtils source module contains directions on customizing the ZZUtils menu. Delete unwanted functions and include additional site-specific utilities. Create a single menu for all users (accessible from the STEPLIB chain or SYSTEM library) and/or create specific menus for specific users or user groups by cataloging the ZZUTILS module in the appropriate Natural library.

Co-requisites

Sort Utility	Sort control statements are embedded in the ZZTDJMVS source member. These control statements are compatible with IBM's <i>DFSORT</i> and Syncsort's <i>SyncSort</i> .
Comparison Utility	Source comparisons are generated with IBM's <i>SuperC</i> utility (<i>ISRSUPC</i>).
Word Processor	A Microsoft <i>Word</i> macro is used to format documents created by the ZZTDOC utility.

All modules were catalogued with the Natural Optimizer Compiler, but the NOC need not be present for **ZZUTILS** execution.

For support contact tech@ZZUtils.com.

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Word is a product of Microsoft Corporation.

