



NATURAL

NATURAL ISPF

Utilities

Version 2.4.4 for Mainframes



This document applies to Version 2.4.4 for Mainframes and to all subsequent releases. Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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Utilities Documentation - Overview

This section describes the utilities provided with Natural ISPF. Currently, the following utility is available:

- Version Compress Utility

This utility compresses the versioning file by deleting member versions and reorganizing versioning data.

Version Compress Utility

Note:

This utility is available under TSO, TIAM and batch only.

The versioning file compression utility reduces the versioning file size by deleting member versions which were only logically deleted, and reorganizes other version data.

You can use this utility by invoking Natural ISPF (in batch, or in TSO or TIAM), using the function COMPRESS on the object-type MV. The parameters for this function are the same as for LIST MV (see the subsection Maintaining Versioning Data in the Section System Configuration).

Specifying the parameter TYPE=* on the COMPRESS function causes the whole versioning file to be compressed. You must perform compression of the whole versioning only in batch. Online, you must use the COMPRESS command only with the parameter TYPE=NAT/PDS /VSE as selection criterion.

The compress utility allocates memory for internal buffers. An additional parameter SIZE= is used for the buffer length in Kbytes (the default is SIZE=1024). If the buffers are too small, some member versions (that is, those containing large amounts of data) may not be compressed.

The output of the utility is written to CMPRT01 (or P01, respectively) in batch mode, and to the user workpool in other environments.

Example:

In batch mode, an example could read:

```
//CMSYNIN DD *
  GLOBALS IA=?
  SPF COMPRESS MV NSPF241(*) TYPE=NAT SIZE=2000
  FIN
/*
```

to compress all versioning data in Natural library NSPF241.

The output in CMPRT01 (or P01) takes the following format:

17/05/93 **** NSPF VERSIONING COMPRESS UTILITY **** 10:55:56.7				
Library(member)	Versions compressed	Fail	Alr- eady	Total reducd
<9,100>NSPF241(TEMP)	4 (19%)	0	0	18%
<9,100>NSPF241(TGG)	1 (20%)	0	0	20%
<9,100>NSPF241(TIDB)	1 (66%)	0	0	56%
<9,100>NSPF241(TOPEN)	6 (54%)	0	0	47%
<9,100>NSPF241(TT1)	3 (20%)	0	0	20%
Summary statistics =====				
12 members processed with total 28 versions				
15 versions successfully compressed				
13 versions were already compressed				
0 versions compression failed				
Approx. 15 % data reduction				