

Profile Parameters Grouped by Function

To assist you as a Natural administrator in determining which parameters are applicable for your site, this document provides an overview of the profile parameters that are available to you. The parameters are grouped according to their functions:

- System Files
- Buffer Sizes
- External Subprograms
- Output Reports and Work Files
- Date/Time Settings
- Limits
- Character Assignments
- Terminal Communication
- Buffer Pools
- Translation Tables
- Code Page and Unicode Support
- Usage of Profile Parameters
- Compiler Options
- Debugging
- Batch Mode
- TP Monitors
- Database Access
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- Miscellaneous Profile Parameters
- Session Initialization and Termination
- Parameters Reserved for Internal Use

For details of the individual profile parameters, refer to the *Parameter Reference* documentation.

System Files

Natural system files are used for the storage of various data and programs. See *Natural System Files* in the *Natural System Architecture* documentation.

The following profile parameters apply to all system files:

Parameter	Short Description
DBID	Default Database ID of Natural system files
FNR	Default File Number of Natural system files
SYSPSW	Default Password for Natural system files
SYSCIP	Default Cipher Key for Natural system files
ROSY	Read-only access to system files (FNAT, FUSER and FSEC only)

With the following parameters, you can override the default values for individual system files:

Parameter	Short Description
FNAT	Natural system file for system programs
FUSER	Natural system file for user programs
FDIC	Predict system file
FSEC	Natural Security system file
FSPool	Natural Advanced Facilities spool file

Buffer Sizes

Natural uses several buffer areas to store programs and data. You may need to adjust the size of one or more of these areas in order to achieve maximum buffer efficiency. If the specified space is not available, the size of the requested buffer is set to zero.

Parameter	Short Description
DATSIZE	Size of buffer for local data
DS	Size of storage buffer
DSIZE	Size of debug buffer area
ESIZE	Size of user buffer extension area
ISIZE	Size of initialization buffer
MONSIZE	Size of SYSTP monitor buffer
RDCSIZE	Size of buffer for the Natural data collector
RJESIZE	Initial Size of NATRJE buffer
RUNSIZE	Size of runtime buffer
WPSIZE	Sizes of Natural work pools

External Subprograms

The following parameters affect the dynamic loading and deletion of non-Natural programs:

Parameter	Short Description
CDYNAM	Dynamic loading of non-Natural programs
CSTATIC	Programs statically linked to Natural
DELETE	Deletion of dynamically loaded non-Natural programs
LIBNAM	Name of external program load library (BS2000/OSD, z/OS, TSO only)
RCA	Resolve addresses of static non-Natural programs
RCALIAS	External name definition for non-Natural programs

Output Reports and Work Files

The following parameters control various standard attributes used during the creation of Natural reports:

Parameter	Short Description
DL	Display Length for Output
EJ	Page Eject
FAMSTD	Overwriting of Print and Work File Access Method Assignments
HCAM	Hardcopy Access Method
HCDEST	Hardcopy Output Destination
INTENS	Printing of Intensified Fields
LS	Line Size for Natural Records
MAINPR	Override Default Output Report Number
MP	Maximum Number of Pages of a Report
PCNTRL	Print Control Characters
PM	Print Mode
PRINT	Printer Assignments
PS	Page Size for Natural Reports
SF	Spacing Factor
TQ	Translate Quotation Marks
TS	Translate Output from Programs in System Libraries
WORK	Work File Assignments
ZP	Zero Printing

Date/Time Settings

The following parameters affect the handling of date and time values by Natural as well as the internal date/time used by Natural:

Parameter	Short Description
DD	Day Differential
DFOUT	Date Format for Output
DFSTACK	Date Format for Stack
DFTITLE	Date Format in Default Page Title
DTFORM	Date Format
STACKD	Stack Delimiter Character
TD	Time Differential
YD	Year Differential
YSLW	Year Sliding Window

Limits

The following parameters can be used to prevent a single program from consuming an excessive amount of internal resources:

Parameter	Short Description
LE	Reaction when Limit for Processing Loop Exceeded
LT	Limit for Processing Loops
MADIO	Maximum DBMS Calls between Screen I/O Operations
MAXCL	Maximum Number of Program Calls
MAXYEAR	Maximum Year for Date/Time Values
MT	Maximum CPU Time
OVSIZE	Storage Thread Overflow Size
PD	Number of Pages captured by NATPAGE

Character Assignments

The following parameters can be used to change default character assignments:

Parameter	Short Description
CVMIN	Control Variable Modified at Input
FC	Filler Character for INPUT Statement
FCDP	Filler Character for Dynamically Protected Input Fields
CF	Character for Terminal Commands
DC	Decimal Character
HI	Help Character
IA	Input Assign Character
ID	Input Delimiter Character
SOSI	Shift-Out/Shift-In Codes for Double-Byte Character Set
THSEPCH	Thousands Separator Character

Terminal Communication

The following parameters affect the usage of Natural on video terminals:

Parameter	Short Description
ATTN	Attention Key Interrupt Support
CLEAR	Processing of CLEAR Key in NEXT Mode
DSC	Data Stream Compression (for 3270-Type Terminals)
ESCAPE	Ignore Terminal Commands %% and %.
IKEY	Processing of PA Keys and PF Keys
IM	Input Mode
KEY	Value Assignments to PA, PF, CLEAR Keys
LC	Lower- to Upper-Case Translation
ML	Position of Message Line
RM	Retransmit Modified Fields
SA	Sound Terminal Alarm
TMODEL	IBM 3270 Terminal Model
TTYTYPE	Terminal Type

Buffer Pools

The following parameters affect the Natural buffer pools:

Parameter	Short Description
BPCSIZE	Cache Size for Natural Buffer Pool
BPC64	Cache Size for Natural Buffer Pool
BPI	Buffer Pool Initialization
BPLIST	Name of Preload List for Natural Buffer Pool
BPMETH	Buffer Pool Space Search Algorithm
BPNAME	Name of Natural Global Buffer Pool
BPPROP	Global Buffer Pool Propagation
BPSFI	Object Search First in Buffer Pool
BPSIZE	Size of Natural Local Buffer Pool
BPTXT	Size of Text Segments in Natural Buffer Pool

Translation Tables

The following parameters can be used to overwrite various character translation tables used by Natural:

Parameter	Short Description
CCTAB	Printer Escape-Sequence Control Character
CP	Code Page
SCTAB	Scanner Character Type Table
TAB	Standard Output Translation Table
TABA1	EBCDIC to ASCII Translation Table
TABA2	ASCII to EBCDIC Translation Table
TABL	Translation Table for Output from "SYS" Libraries
TAB1	Alternative Output Translation Table
TAB2	Alternative Input Translation Table
UTAB1	Translation Table for Lower to Upper Case
UTAB2	Translation Table for Upper to Lower Case

Code Page and Unicode Support

Parameter	Short Description
CFICU	Unicode and Code Page Support

For an overview of other profile parameters involved in code page and Unicode support, refer to *Configuration and Administration of the Unicode/Code Page Environment, Profile Parameters* in the *Unicode and Code Page Support* document.

Usage of Profile Parameters

The following parameters affect the usage of Natural profile parameters:

Parameter	Short Description
DYNPARM	Control Use of Dynamic Parameters
PARM	Alternative Parameter Module
PLOG	Logging of Dynamic Parameters
PROFILE	Activate Dynamic Parameter Profile
SYS	Activate Set of Dynamic Profile Parameters
USER	Restrict the Use of Profile Parameters

Compiler Options

The following parameters can be used to control the Natural compiler:

Parameter	Short Description
CMPO	Compilation Options
FS	Default Format/Length Setting for User-Defined Variables
SM	Programming in Structured Mode
XREF	Activate Cross-Reference Feature

Debugging

The following parameters can be used for debugging purposes:

Parameter	Short Description
CANCEL	Session Cancellation with Dump
DBGERR	Automatic Start of Debugger at Runtime Error
DU	Dump Generation
DUE	Dump for Specific Errors
ETRACE	External Trace Function
ITRACE	Internal Trace Function
RELO	Storage Thread Relocation
TRACE	Define Components to be Traced
UPSI	z/VSE User Program Switches

Batch Mode

The following parameters apply if Natural is used in batch mode:

Parameter	Short Description
CC	Error Processing in Batch Mode
CPOBJIN	Code Page of Batch Input File.
CPPRINT	Code Page of Batch Output File.
CPSYNIN	Code Page of Batch Input File for Commands.
ECHO	Control Printing of Input Data
OBJIN	Use of CMOBJIN as Natural Input File
READER	System Logical Units for Input (z/VSE only)

TP Monitors

The following parameters apply if Natural is used with a TP monitor (Com-plete, CICS, CMS, IMS TM, UTM):

Parameter	Short Description
ASYNNAM	Output System ID for Asynchronous Processing (UTM)
OUTDEST	Output Destination for Asynchronous Processing (CICS, Com-plete, UTM)
PSEUDO	Pseudo-Conversational Mode (CICS)
SENDER	Screen Output Destination for Asynchronous Processing (CICS, Com-plete, IMS TM, UTM)
SKEY	Storage Protection Key
SUBSID	Subsystem ID

Database Access

The following parameters determine how Natural handles the access to databases:

Parameter	Short Description
DB	Database Types and Options
DBCLOSE	Database Close at Session End
DBOPEN	Database Open Without ETID
DBROLL	Database Calls Before Roll-Out
DBUPD	Database Updating
ENDBT	Issue BACKOUT TRANSACTION at Session End
ET	Execution of END/BACKOUT TRANSACTION Statements
ETDB	Database for Transaction Data
ETEOP	Issue END TRANSACTION at End of Program
ETIO	Issue END TRANSACTION upon Terminal I/O
ETSYNC	Issue Syncpoint upon End of Transaction/Backout Transaction
LFILE	Dynamic Specification of Logical File
OPRB	Database Open/Close Processing
RCFIND	Handling of Response Code 113 for FIND Statement
RCGET	Handling of Response Code 113 for GET Statement
TF	Translation of Databas ID/File Number
UDB	User Database ID

Natural with Adabas

The following parameters apply if Natural is used with Adabas:

Parameter	Short Description
ADANAME	Name of Adabas Link Routine
ADAMODE	Adabas Interface Mode
ADAPRM	Review/DB Support
ADASBV	Adabas Security By Value
ETID	Adabas User Identification
RI	Release ISNs
WH	Wait for Record in Hold Status

Natural with Other Software AG Products

Adabas Text Retrieval

Parameter	Short Description
TSIZE	Size of Buffer Area for Adabas Text Retrieval

Con-nect

Parameter	Short Description
CSIZE	Size of Con-nect/Com-pose Buffer Area

EntireX Broker

Parameter	Short Description
Bsize	Size of EntireX Broker Buffer

Entire DB

Parameter	Short Description
ZSIZE	Size of Entire DB Buffer Area

Entire System Server

Parameter	Short Description
ASIZE	Entire System Server Auxiliary Buffer

Entire Transaction Propagator

The following parameter applies if you are using the Entire Transaction Propagator:

Parameter	Short Description
ETPSIZE	Size of Entire Transaction Propagator Buffer

Natural Advanced Facilities

The following parameters apply if you are using Natural Advanced Facilities:

Parameter	Short Description
NAFSIZE	Size of Buffer for Natural Advanced Facilities
NAFUPF	Natural Advanced Facilities User Profile

Natural Connection

The following parameters apply if you are using Natural Connection:

Parameter	Short Description
PC	Control of Personal Computer Access Method (Natural Connection)
XSIZE	Size of Buffer for User Subsystem

Natural Database Interfaces

The following parameters apply if you are using the database interfaces listed below:

Parameter	Short Description
DB2SIZE	Size of Buffer Area for Natural DB2 or SQL/DS interface
DLISIZE	Size of Buffer Area for Natural DL/I interface
VSIZE	Size of Buffer Area for Natural VSAM interface

Natural Expert

Parameter	Short Description
EXCSIZE	Size of Buffer for Natural Expert C Interface
EXRSIZE	Size of Buffer for Natural Expert Rule Tables

Natural Optimizer Compiler

The following parameter applies if you are using the Natural Optimizer Compiler:

Parameter	Short Description
OPT	Control of Natural Optimizer Compiler

Natural Workstation Interface

The following parameter applies if you are using the Natural Workstation Interface:

Parameter	Short Description
WSISIZE	Buffer for Natural Workstation Interface

Software AG Editor

The following parameter applies if you are using the Software AG Editor:

Parameter	Short Description
EDBP	Software AG Editor Buffer Pool Definitions
EDPSIZE	Size of Software AG Editor Auxiliary Buffer Pool
SSIZE	Size of Buffer for the Software AG Editor

Miscellaneous Profile Parameters

Parameter	Short Description
CM	Command Mode
CPCVERR	Conversion Error
EMFM	Edit Mask Free Mode
ETA	Error Transaction Program
FREEGDA	Release GDA in Utility Mode
MAXROLL	Number of CMROLL Calls Before Roll-Out
MSGSF	Display System Error Messages in Full
NC	Use of Natural System Commands
OPF	Overwriting of Protected Fields by Helproutines
PLUGIN	Enable the Natural Plug-In Components
POS22	Version 2.2 Algorithm for POS System Function
RDCEXIT	Define Natural Data Collector User Exits
RECAT	Dynamic Recataloging
REINP	Issue Internal REINPUT Statement for Invalid Data
RFILE	File for Recordings
RPC	Remote Procedure-Call Settings
SI	Shift-In Code for Double-Byte Character Set
SL	Source-Line Length
SO	Shift-Out Code for Double-Byte Character Set
SORT	Control of Sort Program
SYNERR	Control of Syntax Errors
ULANG	User Language
ZD	Zero-Division Check

Session Initialization and Termination

The following parameters have an influence on the initialization or termination of a Natural session:

Parameter	Short Description
AUTO	Automatic Logon
ENDMSG	Display of Session-End Message
IMSG	Session Initialization Error Messages
ITERM	Session Termination in Case of Initialization Error
MENU	Menu Mode
NUCNAME	Name of Shared Nucleus
PROGRAM	Program to Receive Control after Natural Session
STACK	Place Data/Commands on the Stack
STEPLIB	Additional Steplib Library

Parameters Reserved for Internal Use



Warning:
The values of the following parameters must not be changed!

These parameters are reserved for internal use by Natural.

Parameter	Short Description
ASPSIZE	(Internal Use)
CFWSIZE	(Internal Use)
LOG	(Internal Use)
NISN	(Internal Use)
RDACT	(Internal Use)
RDNODE	(Internal Use)
RDPORT	(Internal Use)
TPF	(Internal Use)
USERBUF	(Internal Use)