

DS - Define Size of Storage Buffer

This Natural profile parameter is for mainframes only.

It defines the default initial size of various Natural storage buffers.

In previous versions of Natural, single-value parameters (e.g. SSIZE) were used to define the sizes of the buffers. The DS profile parameter is a universal parameter to specify all buffer sizes. It corresponds to the NTDS macro in the Natural parameter module NATPARM.

See also Natural Storage Management in the Natural Operations for Mainframes documentation.

Possible settings	(<i>name</i> , <i>size</i>)	<i>Name</i> is the buffer name (1-8 characters), see Table of Buffer Sizes below. <i>Size</i> is the buffer size in kilobytes. For limit values, see Table of Buffer Sizes below.
Default setting	See table below.	
Dynamic specification	YES	Multiple pairs of buffer names/sizes can be specified. This parameter can only be specified dynamically. In the Natural parameter module NATPARM, the corresponding macro NTDS must be used instead.
Specification within session	NO	

You may continue using the old parameters or you may use the old parameters in parallel to the parameter DS. During the dynamic parameter evaluation, old buffer size parameters are converted internally into the new DS parameter format, for example, SSIZE=55 is converted into DS=(SSIZE,55).

The following topics are covered below:

- DS Parameter Syntax
- NTDS Macro Syntax
- Table of Buffer Sizes
- Examples

DS Parameter Syntax

The DS parameter is specified as follows:

```
DS=(name1,size1,name2,size2,...)
```

NTDS Macro Syntax

The NTDS macro is specified as follows:

```
NTDS name1,size1
NTDS name2,size2
...
...
```

Table of Buffer Sizes

Buffer Name	Description	Buffer Size	Default	Old
ASIZE	Entire System Server auxiliary buffer	0-64	0	YES
BSIZE	Size of EntireX Broker buffer	0-64	0	YES
CSIZE	Size of Con-nect buffer area	0-128	0	YES
DATSIZE	Size of buffer for local data	10-1024	32	YES
DSIZE	Size of debug buffer area	0, 2-64	2	YES
EDPSIZE	Size of the Software AG Editor auxiliary buffer pool	0, 32-32767	0	YES
ETPSIZE	Size of Entire Transaction Propagator buffer	0, 10-128	0	YES
EXCSIZE	Size of buffer for Natural Expert C interface	0-256	0	YES
EXRSIZE	Size of buffer for Natural Expert rule tables	0-256	0	YES
MONSIZE	Size of SYSTP monitor buffer	0-256	0	YES
MULFETCH	Size of Multi-fetch buffer	0-1024	64	NO
NAFSIZE	Size of buffer for Natural Advanced Facilities	0-64	0	YES
RDCSIZE	Size of buffer for the Natural Data Collector	0, 2-128	0	YES
RJESIZE	Initial size of NATRJE buffer	0-256	8	YES
RUNSIZE	Size of runtime buffer	10-64	16	YES
SSIZE	Size of Software AG Editor buffer	0, 40-128	64	YES
NSFSIZE	Size of SAF interface buffer Note: Replaces the RDCSIZE parameter used with NSF Versions 3.1.x.	0, 8-64	0	NO
TSIZE	Size of the buffer for Adabas Text Retrieval	0-128	0	YES
XSIZE	Size of buffer for user subsystem	0-64	0	YES
ZSIZE	Size of Entire DB buffer area	0-64	0	YES

Examples

Example of DS parameter:

```
DS=(ASIZE,33,TSIZE,60,EDPSIZE,500)
```

Equivalent in Natural parameter macro NATPARM:

```
NTDS ASIZE,33
NTDS TSIZE,60
NTDS EDPSIZE,500
```