

# ADARUN Parameter Reference

Parameter	Use to	Values	Default
AOSlog	Log to DDPRINT the commands issued by ADADBS OPERCOM or equivalent AOS functions that modify the active nucleus.	YES   NO	NO
ARExclude	Exclude file(s) from autorestart.	1 - 5000	---
ARMname	Specify the automatic restart management (ARM) program name.	<i>arm-pgm-name</i>	---
ASSocache	Activate or deactivate controller caching for the Associator component (z/OS only).	YES   NO	YES
ASYtvs	Flush buffers asynchronously based on volume serial number.	YES   NO	YES
CACHe	Load ADACSH (Adabas Caching Facility control) during Adabas session initialization.	YES   NO	NO
CACTivate	Control RABN activation. (Adabas Caching Facility)	YES   NO	NO
CASSODsp	Cache an Associator RABN or RABN range in the data space cache. This parameter is mutually exclusive with the CFILE and CXFILE parameters. (Adabas Caching Facility)	<i>rabn   rabn1 - rabnx</i>	---
CASSOExt	Cache an Associator RABN or RABN range in the extended memory cache. This parameter is mutually exclusive with the CFILE and CXFILE parameters. (Adabas Caching Facility)	<i>rabn   rabn1 - rabnx</i>	---
CASSOHsp	Cache an Associator RABN or RABN range in the hiperspace cache. This parameter is mutually exclusive with the CFILE and CXFILE parameters. (Adabas Caching Facility)	<i>rabn   rabn1 - rabnx</i>	---
CASSOV64	Cache an Associator RABN or RABN range in the virtual 64 storage cache. This parameter is mutually exclusive with the CFILE and CXFILE parameters.  This parameter is available only in z/OS environments.  (Adabas Caching Facility)	<i>rabn   rabn1 - rabnx</i>	---
CASSOMaxs	Specify the unit size in which areas are allocated for Associator cache space. (Adabas Caching Facility)	80K - 2047M (extended memory, data spaces, or hiperspaces)  1M - your installation limit (virtual 64 memory)	1M (extended memory, data spaces, or hiperspaces)  1M (virtual 64 memory)
CBufno	Specify the number of read-ahead buffers for concurrent I/O processing. (Adabas Caching Facility)	0 - the NT parameter value	0
CCTimeout	Specify the cache space area inactivity time limit (in seconds) before it is released back to the system.  If demand caching is in effect, use this parameter to specify the inactivity time limit (in seconds) of a RABN range, file or file range, before it is disabled.  (Adabas Caching Facility)	60 - 2147483647	7200 seconds (2 hours)
CDATADsp	Cache a Data Storage RABN or RABN range in the data space cache. This parameter is mutually exclusive with the CFILE and CXFILE parameters. (Adabas Caching Facility)	<i>rabn   rabn1 - rabnx</i>	---
CDATAExt	Cache a Data Storage RABN or RABN range in the extended memory cache. This parameter is mutually exclusive with the CFILE and CXFILE parameters.  Only extended memory is available for BS2000 RISC machines.  (Adabas Caching Facility)	<i>rabn   rabn1 - rabnx</i>	---
CDATAHsp	Cache a Data Storage RABN or RABN range in the hiperspace cache. This parameter is mutually exclusive with the CFILE and CXFILE parameters.  This parameter is available only in z/OS environments.  (Adabas Caching Facility)	<i>rabn   rabn1 - rabnx</i>	---

Parameter	Use to	Values	Default
CDATAV64	Cache a Data Storage RABN or RABN range in the virtual 64 storage cache. This parameter is mutually exclusive with the CFILE and CXFILE parameters.  This parameter is available only in z/OS environments.  (Adabas Caching Facility)	<i>rabn</i>   <i>rabn1</i> - <i>rabnx</i>	---
CDATAMaxs	Specify the unit size in which areas are allocated for Data Storage cache space.  (Adabas Caching Facility)	80K - 2047M (extended memory, data spaces, or hiperspaces)  1M - your installation limit (virtual 64 memory)	1M (extended memory, data spaces, or hiperspaces)  1M (virtual 64 memory)
CDEmand	Set the lowest Adabas buffer efficiency level accepted before caching is activated. A value of "0" indicates that no demand-level caching occurs.  (Adabas Caching Facility)	0 - 2147483647	0
CDIspstat	Control whether RABN range statistics display on both the operator console and DDPRINT, or only on DDPRINT.  (Adabas Caching Facility)	YES (display on both)   NO (display only on DDPRINT)	YES
CDX <i>nm</i>	Specify the user routine of collation descriptor user exits. The <i>nm</i> in the parameter name can range from 01 through 08, so up to eight collation descriptor exits may be specified (in any order).	user routine name (up to 8 characters)	---
CExclude	Identify command types that should be excluded from read-ahead caching. More than one command type may be specified by separating values with forward slashes (/).  (Adabas Caching Facility)	PHYS   LOGI   HIST   FIND	---
CFile	Select a file or range of files to be cached. This parameter is also used to indicate the class of caching service, the caching scope, and the cache storage type that should be implemented for the file or file range. Specify this parameter using the following syntax:  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"><code>CFILE={ {<i>fnr</i>   <i>fnr1</i>-<i>fnrx</i>} [ ,<i>class</i>] [ ,<i>scope</i>] [ ,<i>cachetype</i>] }</code></div> where: <ul style="list-style-type: none"><li>● <i>fnr</i>, <i>fnr1</i>, <i>fnrx</i>: valid file numbers. When a range is specified, the lower file number must be specified first (<i>fnr1</i>).</li><li>● <i>class</i>: The percentage of cache space that can be used, which effectively assigns a priority to the files, with lower priority RABNs being purged first. A value of 1 indicates the highest priority, 5 indicates the lowest priority.</li><li>● <i>scope</i>: Identifies the type of caching used: Associator (A), Data Storage (D), or both (B).</li><li>● <i>cachetype</i>: Identifies the cache storage type used: data space (D), extended (E), hiperspace (H), or virtual 64 (V). Virtual 64 storage cache is only available in z/OS environments.</li></ul> This parameter is mutually exclusive with the CASSO <i>xxx</i> , CDATA <i>xxx</i> and CSTORAGE parameters.  (Adabas Caching Facility)	<i>fnr</i> , <i>fnr1</i> , <i>fnrx</i> : 0 - n  <i>class</i> : 1   2   3   4   5  <i>scope</i> : A   D   B  <i>cachetype</i> : D   E   H   V	<i>fnr</i> , <i>fnr1</i> , <i>fnrx</i> : ---  <i>class</i> : 3  <i>scope</i> : B  <i>cachetype</i> : D
CLOGBmax	Specify the maximum size (bytes) of a logged buffer.	368 - 4294967295	4096
CLOGDev	Specify the device type used for multiple command log data sets. This parameter must be specified with the CLOGSIZE parameter.	Valid device types are listed in <i>Adabas Device Types and Block Sizes</i> .	value of the DEVICE parameter
CLOGLayout	Specify the format of the Adabas command log.	5   8	5
CLOGMax	Specify the maximum size (bytes) of all of the logged buffers allowed for an Adabas command.	368 - 4294967295	16384

Parameter	Use to	Values	Default
CLOGMRg	Indicate whether the Adabas cluster should run with an automatic CLOG merge.  (Adabas Cluster Services, Adabas Parallel Services)	YES   NO	NO
CLOGSize	Specify the number of blocks available for each command log in multiple command log data sets. This parameter must be specified with the CLOGDEV parameter.	16 - 16777215	---
CLUCACHEExtra	Specify the additional vector size, in blocks, required to allow Adabas Cluster Services and Adabas Parallel Services to track the blocks held by Adabas Caching Facility in the different cluster nuclei.  (Adabas Cluster Services, Adabas Parallel Services)	0 - 2147483647	1000
CLUCACHEName	Identifies the name of the Adabas cluster cache structure/area in which the current nucleus participates.  (Adabas Cluster Services)	<i>cluster-name</i>	---
CLUCACHESize	Specify the amount of storage to allocate for the global cache area that services the Adabas Parallel Services cluster in which the current nucleus participates.  (Adabas Parallel Services)	128K - varies (depending on the cache type specified by the CLUCACHETYPE parameter)	---
CLUCACHETYPE	Identify the virtual storage type for the global cache area: shared dataspace (DSP) or virtual 64 cache (V64). The V64 value for this parameter is available in z/OS environments only.  (Adabas Parallel Services)	DSP   V64	DSP
CLUCACHEUnchanged	Indicate whether unchanged blocks are written to global cache during Adabas Parallel Services processing.  (Adabas Parallel Services)	YES   NO	NO
CLUGroupname	Specify the XCF messaging group name in Adabas Cluster Services or the name of the messaging group in Adabas Parallel Services.  (Adabas Cluster Services, Adabas Parallel Services)	<i>groupname</i>	none in Adabas Cluster Services; the router name in Adabas Parallel Services
CLULOCKName	Specify the lock structure name defined in the CFRM policy or the global lock area in which the current nucleus participates.  (Adabas Cluster Services)	<i>lockstructurename</i>	---
CLULOCKSize	Specify the amount of storage allocated for the global lock area. Specify values for this parameter using the following syntax:  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <math>nnn[K   M   G]</math> </div> where <i>nnn</i> : the number of bytes (no unit specification), kilobyte (K), megabytes (M), or gigabytes (G).  (Adabas Parallel Services)	131072 - 2147483147 (bytes)  128K - 2097152K  128K - 2048M  128K - 2G	---
CLUSter	Indicate whether the Adabas nucleus will participate in a cluster of nuclei working on the same database, and, if so, the type of cluster in which it will participate. Valid values are "NO" (nucleus not participating in a cluster), "LOCAL" (nucleus participating in a cluster on the same operating system image), and "SYSPLEX" (nucleus participating in a cluster on different systems in a parallel sysplex).  (Adabas Cluster Services, Adabas Parallel Services)	NO   LOCAL   SYSPLEX	NO
CMADdr	Identify the starting address of the GETMAIN common memory pool above the 16M line. This parameter is valid only in BS2000 environments running Sockets versions less than 2.2.	X'1000000' - X'FE000000'	0 (X'1000000')
CMAxcps	Specify the number of storage areas that can be allocated for ADACSH cache space in data spaces, hiperspaces, or virtual 64-bit storage. This parameter has no affect on a cache space in extended memory, where only one Associator and one Data Storage area are allowed.  (Adabas Caching Facility)	1 - 16	8

Parameter	Use to	Values	Default
CMDqmode	Indicate where the command queue memory pool should be allocated: below the 16 MB line (BELOW) or above it (ABOVE). This parameter is valid only in BS2000 environments.	ABOVE   BELOW	ABOVE (BELOW for Adabas versions prior to Version 8)
CMFix	Indicate whether the GETMAIN common memory pool must have a fixed location <i>above</i> the 16 MB line. This parameter is valid only in BS2000 environments running Sockets versions less than 2.2.	YES   NO	NO
CMLAddr	Identify the starting address of the GETMAIN common memory pool <i>below</i> the 16M line. This parameter is valid only in BS2000 environments running Sockets versions less than 2.2.	X'10000' - X'E00000'	0 (X'10000')
CMLFix	Indicate whether the GETMAIN common memory pool must have a fixed location <i>below</i> the 16 MB line. This parameter is valid only in BS2000 environments running Sockets versions less than 2.2.	YES   NO	NO
CMLSCope	Control access to the GETMAIN common memory pool <i>below</i> the 16 MB line. Valid values are "GROUP" (the pool can be accessed only by other tasks using the same user ID) and "GLOBAL" (the pool can be accessed by all user IDs in the system). This parameter is valid only in BS2000 environments running Sockets versions less than 2.2.	GROUP   GLOBAL	GROUP
CMLSize	Specify whether the GETMAIN is performed in a common memory pool <i>below</i> the 16 MB line and, if so, its size in bytes. Valid values are "0" (required application memory is not obtained in a common memory pool, but in the class 6 memory of the system) or the size (in bytes) of user storage to allow in a common memory pool ( <i>below</i> the 16 MB line) of the specified size, rounded up to the next megabyte. This parameter is valid only in BS2000 environments running Sockets versions less than 2.2.	0   <i>bytesize</i>	0
CMSCope	Control access to the GETMAIN common memory pool <i>above</i> the 16 MB line. Valid values are "GROUP" (the pool can be accessed only by other tasks using the same user ID) and "GLOBAL" (the pool can be accessed by all user IDs in the system). This parameter is valid only in BS2000 environments.	GROUP   GLOBAL	GROUP
CMSize	Specify whether the GETMAIN is performed in a common memory pool <i>above</i> the 16 MB line and, if so, its size in bytes. Valid values are "0" (required application memory is not obtained in a common memory pool, but in the class 6 memory of the system) or the size (in bytes) of user storage to allow in a common memory pool ( <i>above</i> the 16 MB line) of the specified size, rounded up to the next megabyte. This parameter is valid only in BS2000 environments running Sockets versions less than 2.2.	0   <i>bytesize</i>	0
CRetry	Specify the number of seconds between Adabas Caching Facility attempts to acquire an area of cache space if the previous GETMAIN or space allocation failed.  (Adabas Caching Facility)	60 - 2147483647	900 (15 minutes)
CStorage	Identify the type of cache space to which all RABNs for the database are cached (using system defaults). This parameter overrides the use of the CASSOxxx and CDATAxxx ADARUN parameters. Valid values are "DATASPACE" (dataspace), "EXTENDED" (extended memory), "HIPERSPACE" (hiperspace), or "VIRTUAL64" (virtual 64-bit storage). "EXTENDED" is the only option available on BS2000 RISC machines; "HIPERSPACE" and "VIRTUAL64" are only valid in z/OS environments.  This parameter is mutually exclusive with the CFILE and CXFILE parameters.  (Adabas Caching Facility)	DATASPACE   EXTENDED   HIPERSPACE   VIRTUAL64	---
CT	Specify the maximum time limit (in seconds) for interregion communication of results from Adabas to the user.	1 - 16777215	60
CWORKStorage	Identify the type of cache space used for Adabas Caching Facility work areas CWORK2FAC and CWORK3FAC. Valid values are "DATASPACE" (dataspace), "EXTENDED" (extended memory), "HIPERSPACE" (hiperspace), or "VIRTUAL64" (virtual 64-bit storage). "EXTENDED" is the only option available on BS2000 RISC machines; "HIPERSPACE" and "VIRTUAL64" are only valid in z/OS environments.  (Adabas Caching Facility)	DATASPACE   EXTENDED   HIPERSPACE   VIRTUAL64	---

Parameter	Use to	Values	Default
CWORK2fac	Specify the percentage of Work part 2 to be cached. If "0" is specified, Work part 2 is not cached.  (Adabas Caching Facility)	0 - 100	0
CWORK3fac	Specify the percentage of Work part 3 to be cached. If "0" is specified, Work part 3 is not cached.  (Adabas Caching Facility)	0 - 100	0
CXfile	Select a file or range of files to be excluded from caching. Specify this parameter using the following syntax:  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <b>CXFILE=({<i>fnr</i>   <i>fnr1-fnrx</i>}[ , ,<i>scope</i>])</b> </div> <p>where:</p> <ul style="list-style-type: none"> <li>• <i>fnr, fnr1, fnrx</i>: valid file numbers to be excluded. When a range is specified, the lower file number must be specified first (<i>fnr1</i>).</li> <li>• <i>scope</i>: Identifies the scope of exclusion: Associator RABNs only excluded (A), Data Storage RABNs only excluded (D), or both types of RABNs excluded (B). If a scope is specified, you must specify two commas before it.</li> </ul> <p>This parameter is mutually exclusive with the CASSOxxx, CDATAxxx, and CSTORAGE ADARUN parameters.  (Adabas Caching Facility)</p>	<i>fnr, fnr1, fnrx</i> : 0 - n  <i>scope</i> : A   D   B	<i>fnr, fnr1, fnrx</i> : ---  <i>scope</i> : B
DAtacache	Control whether caching control is enabled (YES) or disabled (NO) for the Data Storage data set. This parameter is valid only in z/OS environments.	YES   NO	YES
DBid	Specify the physical database ID of the database.  <b>Note:</b> If you specify the DBID parameter, you must also specify the ADARUN SVC parameter.	1 - 65535	1
DEvice	Specify the device type on which the first block of the Associator is stored. Valid device types for each platform are listed in <i>Adabas Device Types and Blocks Sizes</i> .	<i>devtype</i>	2300 (BS2000)  3390 (z/OS, z/VSE)
DIRratio	Together with the ELEMENTRATIO ADARUN parameter, define the ratio of directory entries to data elements in Adabas cluster environments.  (Adabas Cluster Services, Adabas Parallel Services)	1 - 32767	1
DSF	Enable Adabas Delta Save support.  (Adabas Delta Save)	YES   NO	NO
DSFEx1	Specify the user routine to be given control by Adabas Delta Save.  (Adabas Delta Save)	<i>exitname</i>	---
DTP	Indicate whether to enable distributed transaction processing, and, if so, whether the nucleus should be a resource or transaction manager. Valid values are NO (distributed transaction processing is not enabled), RM (the nucleus participates in distributed transaction processing as a resource manager), and TM (the nucleus participates in distributed transaction processing as a transaction manager).  (Adabas Transaction Manager)	NO   RM   TM	NO
DUALCLD	Specify the device type to be used for dual command logging. Valid device types for each platform are listed in <i>Adabas Device Types and Blocks Sizes</i> .	<i>devtype</i>	value of the DEVICE parameter
DUALCLS	Specify the number of blocks available for each dual command log.	16 - 16777215	---
DUALPLD	Specify the device type to be used for dual protection logging. Valid device types for each platform are listed in <i>Adabas Device Types and Blocks Sizes</i> .	<i>devtype</i>	value of the DEVICE parameter
DUALPLS	Specify the number of blocks available for each dual protection log.	16 - 16777215	---

Parameter	Use to	Values	Default
ELelementratio	Together with DIRRATIO ADARUN parameter, define the ratio of directory entries to data elements in Adabas cluster environments.  Adabas Cluster Services, Adabas Parallel Services	1 - 32767	1
EXcpvr	Indicate whether EXCP or EXCPVR should be used when running APF-authorized. This parameter is valid only in z/OS environments.	YES   NO	YES
FAstpath	Enable Adabas Fastpath support.  (Adabas Fastpath)	YES   NO	NO
FMxio	Set a limit on the number of I/O operations that can be started in parallel by LFIOP flush processing. The full meaning of this parameter varies, depending on the setting of the ASYTVS ADARUN parameter. If ASYTVS=YES, you can use FMXIO to set the limit on the number of I/O  <ul style="list-style-type: none"> <li>If ASYTVS=YES, you can use FMXIO to set a limit on the number of I/O operations to be started in parallel on each volume.</li> <li>If ASYTVS=NO, you can use FMXIO to set a limit on the number of I/O operations to be started in parallel overall.</li> </ul>	1 - 16 (ASYTVS=YES)	1 (ASYTVS=YES)
		1 - 100 (ASYTVS=NO)	60 (ASYTVS=NO)
FORce	Indicate whether the nucleus or Adabas Review hub can overwrite an existing ID table entry.	YES   NO	NO
GRoups	Indicate whether BS2000 interprocess communication is limited to users with the same logon ID. This parameter is available only in BS2000 environments.	YES   NO	NO
HEXnn	Specify the hyperdescriptor exit(s) and associated user routine to be used by the nucleus. Specify this parameter using the following syntax:  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p><b>HEXnn=user-routine-name</b></p> </div> where: <ul style="list-style-type: none"> <li>nn: the number of the hyperdescriptor exit</li> <li>user-routine-name: the name (up to eight characters) of the user routine that gets control for the associated hyperdescriptor exit.</li> </ul>	<ul style="list-style-type: none"> <li>nn: 01 - 31</li> <li>user-routine-name: text (up to eight characters)</li> </ul>	<ul style="list-style-type: none"> <li>nn: ---</li> <li>user-routine-name: ---</li> </ul>
IDTName	Define the name for an alternate ID table, resulting in an alternate Adabas environment. This parameter is valid only in BS2000 environments. Valid names must begin with the letters "ADA" and must be eight characters long.	ADAxxxxx	ADABAS5B
IDTPsup	Suppress the IDT name in Adabas output messages. This parameter is valid only in BS2000 environments.	YES   NO	NO
IGNDIb	Indicate whether an active nucleus entry in the data integrity block (DIB) should be ignored and deleted.	YES   NO	NO
IGNDTp	Indicate whether the two-phase commit area (Work part 4) should be ignored.	YES   NO	NO
INFobuffersize	Specify the size of the information buffer pool, in bytes. The information buffer pool is also known as the Adabas event log.	0 or 1024 - 2147483647	0 (buffer will not be allocated)
INTAuto	Specify the time interval (in seconds) between autorestart progress messages, which will be printed in addition to the standard messages at the end of each autorestart phase, if the phase takes longer than the interval specified. The default (0 seconds) indicates that autorestart progress messages should only be printed at the completion of each autorestart phase.	0 - 16777215	0
INTNas	Specify the time interval (in units of 1.048576 seconds) between SYNS 60 checkpoints.	1 - 16777215	3600 (approximately one hour)

Parameter	Use to	Values	Default
LARgepage	Indicate whether the Adabas nucleus should use large pages (1 MB pages of real storage above the 2 gigabyte bar). A value of "YES" can only be specified if the ADARUN V64BIT parameter is also set to "YES". In addition, the operating system must support large pages.  <b>Note:</b> At this time, this parameter is applicable only to z/OS systems.	YES   NO	NO
LBP	Specify the maximum number of bytes to be used for the Adabas buffer pool during a session.	80000 - 2147483647	350000
LCP	Specify the maximum number of bytes to be used for the Adabas security pool during a session.	2000 - 16777215	10000
LDEuqp	Specify the number of bytes to be used for the unique (UQ) descriptor pool during a session.  <b>Note:</b> When you apply zap AN822111, the minimum setting size of the ADARUN LDEUQP parameter is increased from zero to 5000 bytes.	5000 - 16777215	5000
LDTp	Define the length of the distributed transaction processing area (Work part 4) or the index of Work part 4:  If you have Adabas Transaction Manager Version 7.4 or earlier installed, this parameter defines the length of the distributed transaction processing area (Work part 4) for use with DTP=RM.  If you have Adabas Transaction Manager Version 7.5 or later installed, this parameter defines the size (in blocks) of the Work part 4 index which is used to administer the data on Work part 4 (DDWORKR4).  (Adabas Transaction Manager)	Adabas Transaction Manager 7.4 or earlier: 0 - 65535  Adabas Transaction Manager 7.5 or later: 8 - one eighth of the WORK4 size	Adabas Transaction Manager 7.4 or earlier: 0  Adabas Transaction Manager 7.5 or later: 8
LFlop	Enable asynchronous buffer flush operations and define the length of the related buffer flush pool. A value of "0" disables asynchronous buffer flush operations; only asynchronous flushing occurs. A value of "1" enables asynchronous buffer flush operations, and defines the buffer pool size as 25% of the buffer pool (LBP parameter) size. Any other value (with a minimum of 80000 allowed) enables asynchronous buffer flush operations and defines the size of the pool directly (in bytes).	0   1   80000 - 18,446,744,073,709,551,615 (although this is really limited by the available amount of virtual and real memory)	0
LFP	Specify the size (in bytes) of the Adabas internal format buffer pool.	6000 - 2147483647	12000
LI	Specify the size (in bytes) allocated for the table of ISNs (TBI) used to store ISN lists (overflow ISNs or saved ISN lists).	2000 - 16777215	10000
LNKGNAME	The name of the link globals table to be employed by an Adabas 8 batch/TSO link routine.  <b>Note:</b> If you specify the LNKGNAME parameter, you must also specify the ADARUN DBID and SVC parameters.	valid module name for an IBM z/OS or z/VSE operating system, or for a BS2000 module	LNKGBLS
LOCAl	Indicate whether an Adabas nucleus or Adabas Review hub is isolated and available for local use only. The isolated nucleus or hub will be unknown to the network.	YES   NO	YES
LOGAbdx	Indicate whether Adabas buffer descriptions (ABDs) should be logged during this session. For the dependencies of the various logging parameters, please review the detailed description.	YES   NO	NO
LOGCB	Indicate whether Adabas extended control blocks (ACBX) should be logged during this Adabas session. For the dependencies of the various logging parameters, please review the detailed description.	YES   NO	NO
LOGCLex	Indicate whether the Adabas command log extension (CLEX) should be logged. For the dependencies of the various logging parameters, please review the detailed description.	YES   NO	NO
LOGFb	Indicate whether Adabas format buffers (FB) should be logged.	YES   NO	NO
LOGGing	Indicate whether command logging should be used for the Adabas session. If this is set to "NO", all other LOGxxxx parameters are ignored.	YES   NO	NO
LOGIB	Indicate whether Adabas ISN buffers (IB) should be logged.	YES   NO	NO
LOGIO	Indicate whether Adabas I/O activity should be logged.	YES   NO	NO

Parameter	Use to	Values	Default
LOGMb	Indicate whether Adabas multifetch buffers (MB) should be logged. For the dependencies of the various logging parameters, please review the detailed description.	YES   NO	NO
LOGRb	Indicate whether Adabas record buffers (RB) should be logged.	YES   NO	NO
LOGSB	Indicate whether Adabas search buffers (SB) should be logged.	YES   NO	NO
LOGSIze	Specify the maximum block size for the sequential command log.	100 - 32760	value of the QBLKSIZE ADARUN parameter
LOGUX	Indicate whether Adabas user exit B data should be logged. For the dependencies of the various logging parameters, please review the detailed description.	YES   NO	NO
LOGVB	Indicate whether Adabas value buffers (VB) should be logged.	YES   NO	NO
LOGVolio	Indicate whether the extended I/O list should be written to the command log for CLOGLAYOUT=5 and CLOGLAYOUT=8.	YES   NO	NO
LOGWarn	Specify the frequency, in seconds, at which the PLOG and CLOG status is checked and resulting alert messages are produced.  This parameter is optional, but a valid user exit 2 or user exit 12 must also be specified when this parameter is set to any value other than zero (0). A value of zero (0), the default, indicates that no CLOG and PLOG status checks should occur and that no alert messages should be produced. Any other valid LOGWARN value represents the interval (in seconds) at which the PLOG and CLOG status is checked and resulting alert messages are produced.	0 - 2147483647	0
LP	Specify the number of blocks to allocate to the data protection area (Work part 1). The highest value you can set for this parameter is limited by the size of the Work data set and the sizes of Work parts 2, 3, and 4.	200 - *	1000
LQ	Specify the size (in bytes) of the table of sequential commands, which contains entries required during the processing of Adabas read sequential (L2/L5, L3/L6, and L9) commands.	2000 - 16777215	10000
LRDp	Specify the size (in bytes) of the redo pool, which allows for deferred publishing. If the value of this parameter is set to 0, updated database blocks are always written to global cache at the time the update is made; no deferred publishing occurs.  (Adabas Cluster Services, Adabas Parallel Services)	0   80000 - 2137483647	For Adabas Parallel Services 8.2 or later, the default is 0 (zero).  For Adabas Cluster Services 8.2 or later, the default is either the value of the ADARUN LFIOP parameter or 10 megabytes, whichever is smaller.  For earlier releases of Adabas Parallel Services and Adabas Cluster Services, the default is the value of the ADARUN LFIOP parameter.
LRPI	Specify the size of the Adabas or Event Replicator replication pools, in bytes. This parameter should be specified for only: <ul style="list-style-type: none"> <li>an Adabas nucleus that also has REPLICATION=YES set.</li> <li>an Event Replicator database</li> </ul> The values for the Adabas nucleus and the Event Replicator database may be different.	20000 - *	100000 (if REPLICATION=YES)  0 (if REPLICATION=NO)
LS	Specify the maximum number of bytes for internal sort processing.  <b>Note:</b> To ensure that a single search command does not use too much of the work pool space, the maximum LS value must be less than or equal to the LWP (work pool length) minus the minimum LS value (19968) divided by two ( $LS = LWP/2 - 19968$ ).	19968 - *	49920



Parameter	Use to	Values	Default
LU	Specify the length (in bytes) of the intermediate user buffer area. The range of values varies based on the operating system on which Adabas is installed.  On z/OS systems, LU cannot exceed a value greater than that produced by this calculation:  $(NABvalue \times 4096)$  On z/VSE and BS2000 systems, LU cannot exceed a value greater than that produced by this calculation:  $(NABvalue \times 4096) - 256$	a positive integer, minimum and maximum governed by the operating system.	65535
LWKP2	Specify the number of Work blocks to use for intermediate ISN lists Work part 2).	0 - 16777215	0
LWP	Specify the size (in bytes) of the Adabas work pool. This value must be equal to or greater than twice the sum of the specified internal sort area length (LS parameter) plus the minimum LS value (19968). In other words, the LWP value must be greater than or equal to a value calculated as follows:  $(LS-value + 19968) \times 2$  The minimum value you can specify is 80000 or a value not less than the value of the NT parameter multiplied by 25000.	80000-2147483647	150000
MLwto	Specify whether multi-line messages that are normally written to the operator console as a series of single-line write-to-operator (WTO) messages should instead appear as multi-line WTO messages.  (Event Replicator for Adabas only)	YES   NO	NO
MOde	Identify the Adabas operating mode. Valid operating modes include running in single-user mode (SINGLE) or running in multiuser mode (MULTI).	SINGLE   MULTI	MULTI
MSGBuf	Specify the size (in kilobytes) of the message buffer area, which is used to buffer messages for use for performance and tuning and problem analysis.	0 - 128	0
MSGConsl	Specify the case of Adabas messages sent to the console.	Upper   Mixed	Mixed
MSGDruck	Specify the case of Adabas messages sent to the DD/DRUCK data set.	Upper   Mixed	Mixed
MSGPrint	Specify the case of Adabas messages sent to the DD/PRINT data set.	Upper   Mixed	Mixed
MXCANCEL	Specify the timeout threshold, in seconds, in which processing of an intracluster cancellation request must occur.  Adabas Cluster Services, Adabas Parallel Services	15 - 2147483647	The value of the MXMSG parameter.
MXCANCELWarn	Specify the timeout threshold, in seconds, for an intracluster cancellation request to occur before issuing an early warning about the failure of the cancellation request.  The value of this parameter must be less than the value of the MXCANCEL parameter. A value of "0" indicates that no warnings should be issued.  Adabas Cluster Services, Adabas Parallel Services	0   4 - (MXCANCEL_value - 1)	The value of the MXCANCEL parameter divided by 4.
MXMSG	Specify the timeout threshold, in seconds, in which the processing of an intracluster command must occur.  Adabas Cluster Services, Adabas Parallel Services	15 - 32767	300
MXMSGWarn	Specify the timeout threshold, in seconds, for a response to an intracluster command to occur before issuing an early warning about the failure of the request.  The value of this parameter must be less than the value of the MXMSG parameter. A value of "0" indicates that no warnings should be issued.  Adabas Cluster Services, Adabas Parallel Services	0   4 - (MXMSG_value - 1)	The value of the MXMSG parameter divided by 4.

Parameter	Use to	Values	Default
MXStatus	Specify the interval, in seconds, at which the member-level XCF status monitoring heartbeat should occur.  A value of "0" indicates that no member-level status monitoring should occur.  Adabas Cluster Services	0   15 - 21474836	15
MXTNa	Set the maximum non-activity time, in seconds, that can be specified in the OP command for an individual user.	1 - 65535	3600
MXTSx	Set the maximum execution time (in seconds) that can be specified for the ADARUN TLSCMD parameter and for any override execution time setting that might be specified in the Adabas control block of an OP command.	1 - 65535	3600
MXTT	Set the maximum transaction time limit, in seconds, that can be specified in the OP command for an individual user.	1 - 65535	3600
MXWtor	Specify the timeout interval, in seconds, in which an operator response to a self-termination operator query must occur before issuing a warning.  A value of "0" indicates that no warning message should be issued.  Adabas Cluster Services	0   15 - 64800	0
NAb	Specify the number of attached buffers to be used during the session. The maximum value you can specify for this parameter varies, depending on the amount of available virtual storage.	1 -varies	16
NC	Specify the maximum number of command queue elements (CQEs) for the session. The number of CQEs established for the session determines the maximum number of Adabas commands that may be queued or be in process at any one time during the session.	20 - 32767	200
NCLog	Specify the maximum number of command log data sets to be opened and logged in the PPT for the session. A value of "0" disables this parameter.	0   2 - 8	0
NH	Specify the maximum number of hold queue elements for the session.	20 - 16777215	500
NIsnhq	Specify the maximum number of records that can be placed in hold status (hold queues) at the same time by a single user. The maximum value that can be specified for this parameter is the smaller of 65535 or the value of the NH parameter divided by 4. The default is the larger of 20 or the value of the NH parameter divided by the value of the NU parameter with the result multiplied by two ((NH/NU) * 2).	1 - 65535   NH/4 (whichever is smaller)	20   (NH/NU) * 2 (whichever is larger)
NOndes	Indicate whether to allow (YES) searches using nondescriptors in search buffers.	YES   NO	YES
NPLOG	Specify the maximum number of protection log data sets to be opened and logged in the PPT. A value of "0" disables this parameter.	0   2 - 8	0
NPLOGBuffers	Specify the number of PLOG protection I/O buffers allocated in the Adabas nucleus session. PLOG protection I/O buffers are only allocated when ADARUN parameter LFIOP is set to a nonzero value.	1 - 2,147,483,687	1
NQcid	Specify the maximum number of active command IDs per user.	1 - 65535	20
NSIsn	Specify the maximum number of ISNs per ISN table (TBI) element. The maximum value that can be specified varies based on the device type of the Work data set or, in the case where user-defined Work block sizes are used, the maximum value is based on a formula. For more information, refer to the more detailed NSISN documentation.	7 - *	51
NT	Specify the number of threads to be used during the Adabas session.	4 - 250	5
NU	Specify the maximum number of user queue elements for the Adabas session.	20 - 16777215	200
NUCid	Specify the ID of an Adabas nucleus in an Adabas cluster.  Adabas Cluster Services, Adabas Parallel Services	0 - 65000	0
NWork1buffers	Specify the number of Work part 1 protection I/O buffers allocated in the Adabas nucleus session. Work part 1 protection I/O buffers are only allocated when ADARUN parameter LFIOP is set to a nonzero value.	1 - 2,147,483,687	1

Parameter	Use to	Values	Default
OPenrq	Indicate whether an open command (OP) must be issued (is required) as the first command of a user session.	YES   NO	YES
PAmreqs	BS2000 only. Set the maximum number of PAM blocks that can be transferred in one PAM macro request. The default can be reduced to avoid the receipt of I/O errors DMS09AC -- too many simultaneous I/O requests on some machines.	1 - 1024	80
PGfix	Indicate whether pages containing I/O control blocks are released after I/O processing is completed or after the job has ended when using EXCPVR on z/OS systems. When this parameter is set to YES, pages containing the I/O control blocks are fixed for the duration of the job. When set to "NO", pages are fixed only for the duration of I/O processing.	YES   NO	NO
PLOGDev	Specify the device type used for multiple protection log data sets. This parameter must be specified with the PLOGSIZE parameter.	Valid device types are listed in <i>Adabas Device Types and Block Sizes</i>	value of the DEVICE parameter
PLOGRq	Indicate whether a protection log is required for the Adabas session. For details on the meanings of the different values for this parameter, refer to the detailed PLOGRQ documentation.	YES   NO   SEL   FORCE	YES
PLOGSIze	Specify the number of blocks available for each protection log in multiple protection log data sets. This parameter must be specified with the PLOGDEV parameter.	16 - 16777215	---
PREFEtch	Indicate whether the Adabas command-level prefetch or multifetch features should be automatically enabled. YES enables the multifetch (M) option; OLD enables the prefetch (P) option; NO disables the prefetch feature.	YES   OLD   NO	NO
PREFICmd	Identify the commands that should be included in prefetch or multifetch processing.  To specify multiple values for this parameter, list the values separated by forward slashes (/). For example: PREFICMD=L3 / L9. The maximum number of entries is 50. The same number of list items must be specified for this parameter as are specified for the PREFIFIL parameter. If you want several commands to be prefetched or multifetched for a single file, repeat the same file number in the PREFIFIL parameter.  The values for this parameter are used in conjunction with the value of the PREFIFIL parameter to customize prefetch and multifetch processing during the session. You cannot specify this parameter in the same session as the PREFXCMD parameter; if you do, the values of the PREFXCMD parameter are used and the values for this parameter are ignored.	L1 - L9	---
PREFIFil	Identify the files that should be included in prefetch or multifetch processing. To specify multiple values for this parameter, list the values separated by commas. The maximum number of entries is 50. The same number of list items must be specified for this parameter as are specified for the PREFICMD parameter. If you want several commands to be prefetched or multifetched for a single file, repeat the same file number in the PREFIFIL parameter.  The values for this parameter are used in conjunction with the value of the PREFICMD parameter to customize prefetch and multifetch processing during the session. You cannot specify this parameter in the same session as the PREFXFIL parameter; if you do, the values of the PREFXFIL parameter are used and the values for this parameter are ignored.	1 - 5000	---
PREFNrec	Specify the number records that can be prefetched or multifetched. The maximum number of records that can be multifetched depends on the maximum that can be held by the record and ISN buffers.	0 - *	0
PREFSBl	Specify the size, in bytes, of the buffer for a single prefetch, which determines how much record data is prefetched.	1024 - 65535	3000
PREFSTdd	Specify the job statement label (DD name) in the nucleus startup job that defines the location to which multifetch statistics should be written.	<i>ddname</i>	---
PREFTbl	Specify the size, in bytes, of the total prefetch buffer area.	6144 - 16777215	30000

Parameter	Use to	Values	Default
PREFXCmd	<p>Identify the commands that should be <i>excluded</i> in prefetch or multifetch processing.</p> <p>To specify multiple values for this parameter, list the values separated by forward slashes (/). For example: PREFXCMD=L3/L9. The maximum number of entries is 50. The same number of list items must be specified for this parameter as are specified for the PREFXFIL parameter. If you want several commands to be prefetched or multifetched for a single file, repeat the same file number in the PREFXFIL parameter.</p> <p>The values for this parameter are used in conjunction with the value of the PREFXFIL parameter to customize prefetch and multifetch processing during the session. You cannot specify this parameter in the same session as the PREFICMD parameter; if you do, the values of this parameter are used and the values for the PREFICMD parameter are ignored.</p>	L1 - L9	---
PREFXFil	<p>Identify the files that should be excluded in prefetch or multifetch processing. To specify multiple values for this parameter, list the values separated by commas. The maximum number of entries is 50. The same number of list items must be specified for this parameter as are specified for the PREFXCMD parameter. If you want several commands to be prefetched or multifetched for a single file, repeat the same file number in the PREFXFIL parameter.</p> <p>The values for this parameter are used in conjunction with the value of the PREFICMD parameter to customize prefetch and multifetch processing during the session. You cannot specify this parameter in the same session as the PREFXFIL parameter; if you do, the values of the PREFXFIL parameter are used and the values for this parameter are ignored.</p>	1 - 5000	---
PROGram	Identify the program to be run.	ADACOM   ADANUC   ADAREV   NETWRK   RENTUSER   USER   <i>utility-name</i>	USER
QBlksize	Specify the block size, in bytes, for sequential data sets used by ADAIOR, the Adabas I/O component. A value of "0" does not indicate that 0-byte block sizes should be used, but that the block size should be determined by the media type. For more information, read the detailed QBLKSIZE documentation.	0 - 262144	0
REAdonly	Indicate whether the Adabas session is a read-only session or it should permit database updates.	YES   NO	NO
REPLication	Indicate whether replication should be activated for the Adabas nucleus.  (Event Replicator for Adabas)	YES   NO	NO
REVFilter	Indicate whether Adabas Review record filtering should be allowed during the session.  (Adabas Review)	YES   NO	YES
REView	Indicate whether Adabas Review should be run in local mode, hub mode (specifying the hub ID), or not at all.  (Adabas Review)	NO   LOCAL   <i>hubid</i>	NO
REVLOGBmax	Specify the maximum allowable number of bytes of a logged buffer for Adabas Review.  (Adabas Review)	0 - 30000	5120
REVLOGMax	Specify the maximum size of all of the logged buffers allowed for an Adabas Review command.  (Adabas Review)	2000 - 32768 (32K)	16384
RPLCONNECTCount	Specify the number of connection attempts made for the Adabas or Event Replicator Server nucleus after an attempt fails.	0 - 2147483647	0
RPLCONNECTInterval	Specify the interval (in seconds) between connection attempts made for the Adabas or Event Replicator Server nucleus after an attempt fails.	0 - 2147483647	0

Parameter	Use to	Values	Default
RPLParms	Identify the location where your replication definitions (initialization parameters) should be read from. Replication definitions can be read from the Replicator system file (FILE), from DDKARTE (PARMS), both the Replicator system file and from DDKARTE (where the DDKARTE specifications override any duplicates with the Replicator system file), or not at all (NONE).  (Event Replicator for Adabas)	BOTH   FILE   NONE   PARMS	If the Replicator system file resides on the Event Replicator database, definitions are read first from the Replicator system file and then from DDKARTE. If the Replicator system file does not reside on the Event Replicator database, the definitions are read from DDKARTE.
RPLSort	Indicate whether Event Replicator for Adabas transaction data sorting should occur.  (Event Replicator for Adabas)	YES   NO	YES
RPWARNINCrement	Specify the interval (in percentage of LRPL usage) at which warning messages should be sent indicating that the replication pool usage has exceeded the threshold set by the RPWARNPERCENT parameter.  (Event Replicator for Adabas)	1 - 99	10
RPWARNINterval	Specify the interval, in seconds, during which replication pool usage warning messages are suppressed on the console.  (Event Replicator for Adabas)	1 - 2147483647	60
RPWARNMessageLimit	Specify the number of replication pool usage warning messages that can be issued to the console before message suppression begins.  (Event Replicator for Adabas)	1 - 2147483647	5
RPWARNPercent	Specify the threshold for replication pool usage (expressed as a percentage of LRPL) at which replication pool usage warning messages should be sent. A value of 0 for this parameter indicates that no warning messages are issued  (Event Replicator for Adabas)	0 - 99	0
SMF	Specify whether or not Adabas SMF recording should be enabled.	YES   NO	NO
SMF89	Specify whether or not the Adabas nucleus should register with z/OS for type 89 SMF records.	YES   NO	NO
SMFDETAIL	Specify the type of detail sections in SMF Interval and Termination records (subtypes 2 and 3) that should be included in Adabas SMF records. All specifications (regardless of how many) for this parameter should be enclosed in parentheses.  When NONE or ALL are specified for this parameter, they should be specified alone; no other values can be combined with NONE or ALL.  Valid detail section names are ALL, CMD, FILE, IODD, NONE, PARM, STG, THRD, and USER. List of section names must be separated by commas.  In cluster environments (Adabas Cluster Services and Adabas Parallel Services), additional detail section names can be specified: CSHB, CSHF, CSHG, CSHP, LOCK, MSGB, MSGC, and MSGH.	(NONE   ALL   <i>section-name-list</i> )	(NONE)
SMFINTERVAL	Specify whether SMF interval records should be generated and the interval at which they should be generated.	NONE   GLOBAL   SUBSYS   <i>minutes</i>	NONE
SMFRECNO	Specify the Adabas SMF record number used for user-defined SMF records.	128 - 255	255
SMFSUBSYS	Specify the name of the IBM or user-defined SMF subsystem from PARMLIB member SMFPRMxx.	CURRENT   <i>subsystem-name</i>	CURRENT
SMgt	Indicate whether the error handling and message buffering facility should be enabled for the session.  This parameter is not available on BS2000 systems.	YES   NO	NO

Parameter	Use to	Values	Default
Sortcache	Indicate whether to enable (YES) or disable (NO) controller caching for the Adabas Sort data set. This parameter is valid only in z/OS environments.	YES   NO	YES
SPt	Indicate whether use of Adabas triggers and stored procedures should be enabled for the session.	YES   NO	NO
SRlog	Indicate how spanned records should be logged to the protection logs.	ALL   UPD   PART	UPD
SUBmpsz	Specify the common memory pool size, in bytes, for subtask communication in products such as Adabas Parallel Services, Adabas Review, and Event Replicator for Adabas. This parameter is valid only in BS2000 environments.	100000 - *	1024000
SVC	Specify the Adabas SVC number or Adabas Review hub SVC number to be used for the session.	z/OS: 200 - 255 z/VSE: any free SVC value, although 45 is recommended.	z/OS: 249 z/VSE: 45
SWitchnr	BS2000 systems only. Specify the job switch number that is set when a nucleus or utility exits with a non-zero response code.	1 - 31	10
TAPerel	Specify how end-of-file (EOF) processing is handled for tapes and cartridges. This parameter is valid only in BS2000 environments.	KEEPUNL   KEEP   NO   RELEASE   UNLOAD	KEEPUNL
TARgetid	Specify the unique Entire Net-Work target ID for this node.	1 - 65535	1
TASKctgy	Identify the Adabas task category. This parameter is valid only in BS2000 environments.	BATCH   TP	BATCH
TCPIp	Indicate whether a direct TCP/IP link to the Adabas nucleus should be activated for this session. This parameter is valid only in z/OS environments.	YES   NO	NO
TCPUrl	Identify the universal resource locator (URL) for the direct TCP/IP link to the Adabas nucleus (when TCPIP is set to "YES"). This parameter is valid only in z/OS environments.	<i>url</i>	---
TEmpcache	Indicate whether to enable (YES) or disable (NO) controller caching for the Adabas Temp data set. This parameter is valid only in z/OS environments.	YES   NO	YES
TFlush	Specify the time, in seconds, to allow for a synchronous buffer flush.	1 - 16777215	1
TLscmd	Specify the maximum time, in seconds, to be used to process a single Adabas S1, S2, or S4 command with complex search criteria.	1 - the setting of the ADARUN MSTSX parameter	300
TMDrq	Set the number of entries allowed in the Adabas Transaction Manager's internal request queue.  (Adabas Transaction Manager)	10 - 32767	10
TMEtdata	Identify the database or databases that will store Adabas Transaction Manager's ET data.  (Adabas Transaction Manager)	ATM   TARGETS	TARGETS
TMGtt	Set the time limit, in seconds, during which a global transaction can be open without being prepared.  (Adabas Transaction Manager)	1 - 16777215	720
TMLog	Identify the logging option for the current execution of the Adabas Transaction Manager.  (Adabas Transaction Manager)	YES   NO   NEVER	NO
TMMsgsev	Set the severity threshold for the suppression of Adabas Transaction Manager warning messages. If this parameter is set to "0", no messages are suppressed.  (Adabas Transaction Manager)	0   4   8	0
TMRstart	Identify how restart processing of problematic transactions should be handled.  (Adabas Transaction Manager)	NORMAL   FORCE   FORCEALL	NORMAL

Parameter	Use to	Values	Default
TMSyncmgr	Indicate whether the Adabas Transaction Manager is to interact with an external transaction coordinator.  (Adabas Transaction Manager)	NONE   RRMS	NONE
TMTcidpref	Define the first one or two characters (the prefix) of dynamically allocated client IDs. Up to two alphanumeric characters can be specified.  (Adabas Transaction Manager)	<i>prefix</i>	TM
TNAA	Specify the maximum elapsed time, in seconds, that an access-only user may be considered active without issuing an Adabas command.	1 - 16777215	900
TNAE	Specify the maximum elapsed time, in seconds, that an ET logic user may be considered active without issuing an Adabas command.	1 - 16777215	900
TNAX	Specify the maximum elapsed time, in seconds, that an exclusive control user may be considered active without issuing an Adabas command.	1 - 16777215	900
TT	Specify the maximum elapsed time, in seconds, permitted for a logical transaction issued by an ET logic user.	1 - 16777215	900
UEX $nn$	Activate a user exit and specify the name of the user routine for the exit. The value of $nn$ in the parameter name must be an integer in the range from 1 through 12, inclusive that identifies the number of the user exit. The value assigned the parameter must be a one to eight-character name of the corresponding user routine that gets control.  <b>Note:</b> User exit 2 (UEX2) and user exit 12 (UEX12) are mutually exclusive.	<i>user-routine-name</i>	---
UEXSMF	Specify the name of the SMF user exit module.	<i>module-name</i>	---
UTionly	Indicate whether the session should be restricted to Adabas utilities only.	YES   NO	NO
V64bit	Indicate whether the Adabas nucleus should use virtual storage above the 2 gigabyte bar. In order for the nucleus to use 64-bit virtual storage, the operating system must also support 64-bit virtual storage.  <b>Note:</b> This parameter is applicable only to z/OS systems.	YES   NO	NO
Vista	Indicate whether support for Adabas Vista should be enabled.  (Adabas Vista)	YES   NO	NO
WOrkcache	Indicate whether to enable (YES) or disable (NO) controller caching for the Adabas Work data set. This parameter is valid only in z/OS environments.	YES   NO	YES