Configuration File Parameters

Configuration File Parameters

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Chapter 1. ABACKUPOPTION, ABACKUPOPTION1 - ABACKUOPTION9

Used by the backup program *dbbkrs* to control backup options for **all** of the backup types, (Full, Incremental, and Journal). These options are specified per database volume.

DYNAMIC: NO --- read when dbbkrs starts only

FORMAT: ABACKUPOPTION=NAME,VALUE

The values for the NAME field are:

STATUSMSG

Controls whether status messages should be logged or logged and displayed. The valid values for the VALUE field are YES or NO. The default is NO.

ALERTBELLS

Controls the number of alert bell sequences to send when prompting for input. The valid values for the VALUE field are 0 - 5. The default is 3.

EXAMPLES: ABACKUPOPTION=STATUSMSG,YES

ABACKUPOPTION=ALERTBELLS,5

ABACKUPOPTION1=ALERTBELLS,0

RECOMMENDED: Site Specific.

SEE ALSO: FBACKUP, FBACKUPOPTION, FBACKUPSAVE, IBACKUP, IBACKUPOPTION, IBACKUPSAVE, JBACKUP, JBACKUPOPTION, JBACKUPSAVE

Chapter 2. ABUFAGE

The cache buffer aging time in seconds. When searching for a free buffer, if the access time of the buffer plus the aging time is greater than the current time then the buffer will not be used. This helps performance by keeping routine and data buffers in the cache longer with their current information. Therefore, if the information is needed again within the aging time the requester will not have to re-read the information from disk.

DYNAMIC:	YES.
RANGE:	0 - 60
DEFAULT:	0
EXAMPLE:	ABUFAGE=5
RECOMMENDED:	Site Specific.
SEE ALSO:	MBUFAGE

Chapter 3. ADJUSTTIME

Used to adjust the M system time. A combination of minutes, hours, days, and weeks can be used. The time can be adjusted plus or minus up to 125 years. This should be used with great care because application data may rely on time related information.

DYNAMIC: YES.

FORMAT: ADJUSTTIME=NAME,VALUE

NAME field values:

MINUTES

Adjust the time by minutes. The valid values for the VALUE field are -60 to 60.

HOURS

Adjust the time by hours. The valid values for the VALUE field are -24 to 24.

DAYS

Adjust the time by days. The valid values for the VALUE field are -7 to 7.

WEEKS

Adjust the time by weeks. The valid values for the VALUE field are -6500 to 6500.

EXAMPLES: ADJUSTTIME=MINUTES,10

ADJUSTTIME=DAYS,-2

ADJUSTTIME=HOURS,12

ADJUSTTIME=WEEKS,-3

Chapter 4. ALLOW_LONG_RTNLINES

Indicates whether the M partition default flag will be set to allow long routine lines. If this parameter is set to NO then the maximum routine line length is 255 characters. If set to YES then the length of a routine line is limited to 3900 characters. This is the maximum amount than can fit into a 4K block allowing for block header and trailer information.

DYNAMIC:	YES
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	ALLOW_LONG_RTNLINES=YES
RECOMMENDED:	Site Specific - depends on the application profile.

Chapter 5. AVG_DOMAIN_NAME_SIZE

To minimize wasted space for variable length domain names there is a Domain Name Array in memory, which is sized at (**MAX_DOMAINS** * **AVG_DOMAIN_NAME_SIZE**). Each domain name is entered as a NULL terminated string at the end of the used portion of the array.

DYNAMIC:	NO
RANGE:	Numeric
DEFAULT:	8
EXAMPLE:	AVG_DOMAIN_NAME_SIZE=25
RECOMMENDED:	Site Specific - depends on the application profile.
SEE ALSO:	AVG_MNEMONIC_NAME_SIZE, AVG_MNEMONIC_VALUE_SIZE, AVG_MNEMONICS_PER_DOMAIN, DEFAULT_DOMAINS, IPL_LoadMnemonicNamespaces, MAX_DOMAINS, MAX_DOMAINS_PER_DEVICE

Chapter 6. AVG_MNEMONIC_NAME_SIZE

To minimize wasted space for variable length mnemonic names there is a Mnemonic Name Array in memory sized at (**MAX_DOMAINS** * **AVG_MNEMONICS_PER_DOMAIN** * **AVG_MNEMONIC_NAME_SIZE**). Each mnemonic name is entered as a NULL terminated string at the end of the used portion of the array.

DYNAMIC:	NO
RANGE:	Numeric
DEFAULT:	6
EXAMPLE:	AVG_MNEMONIC_NAME_SIZE=40
RECOMMENDED:	Site Specific - depends on the application profile.
SEE ALSO:	AVG_DOMAIN_NAME_SIZE, AVG_MNEMONIC_VALUE_SIZE, AVG_MNEMONICS_PER_DOMAIN, DEFAULT_DOMAINS, IPL_LoadMnemonicNamespaces, MAX_DOMAINS, MAX_DOMAINS_PER_DEVICE

Chapter 7. AVG_MNEMONIC_VALUE_SIZE

To minimize wasted space for variable length mnemonic values (escape string, label^routine or internal function address) there is a Mnemonic Value Array in memory sized at (**MAX_DOMAINS** * **AVG_MNEMONICS_PER_DOMAIN** * **AVG_MNEMONIC_VALUE_SIZE**). The mnemonic values will be an internal function address, a null terminated M routine entry point string or an escape string that has as its first byte the length of the escape string (and no NULL terminator).

DYNAMIC:	NO
RANGE:	Numeric
DEFAULT:	10
EXAMPLE:	AVG_MNEMONIC_VALUE_SIZE=30
RECOMMENDED:	Site Specific - depends on the application profile.
SEE ALSO:	AVG_DOMAIN_NAME_SIZE, AVG_MNEMONIC_NAME_SIZE, AVG_MNEMONICS_PER_DOMAIN, DEFAULT_DOMAINS, IPL_LoadMnemonicNamespaces, MAX_DOMAINS, MAX_DOMAINS_PER_DEVICE

Chapter 8. AVG_MNEMONICS_PER_DOMAIN

Used to size the Mnemonic Table in memory to (**MAX_DOMAINS** * **AVG_MNEMONICS_PER_DOMAIN**).

DYNAMIC:	NO
RANGE:	Numeric
DEFAULT:	20
EXAMPLE:	AVG_MNEMONICS_PER_DOMAIN=50
RECOMMENDED:	Site Specific - depends on the application profile.
SEE ALSO:	AVG_DOMAIN_NAME_SIZE, AVG_MNEMONIC_NAME_SIZE, AVG_MNEMONIC_VALUE_SIZE, DEFAULT_DOMAINS, IPL_LoadMnemonicNamespaces, MAX_DOMAINS, MAX_DOMAINS_PER_DEVICE

Chapter 9. BHTHRESHOLD

This threshold is the number of physical disk block reads that have been performed by an M job without doing either a **HANG** command or a terminal read. When a job exceeds the buffer hog threshold, the job will be restricted to using the HOG buffer pool. Either a terminal read or a **HANG** command will cause an M jobs' physical read counter to be set to zero. The parameter *MULTIBUFPOOLS* must be set to *YES* for this to have any effect.

DYNAMIC:	YES
RANGE:	0 - 500000
DEFAULT:	500
EXAMPLE:	BHTHRESHOLD=300
RECOMMENDED:	500
SEE ALSO:	DBUFPC, GBUFPC, MULTIBUFPOOLS

Chapter 10. BILBLKCNT

The number of database blocks in each Before Image Log buffer.

DYNAMIC:	NO --- mpctl start up only
RANGE:	3 - 10
DEFAULT:	6
EXAMPLE:	BILBLKCNT=10
RECOMMENDED:	6
SEE ALSO:	BILBUFAGE, BILBUFCNT

Chapter 11. BILBUFAGE

The number of seconds a Before Image Log buffer, that is not full, remains in memory before it is written to the Before Image Log file on disk.

DYNAMIC:	YES
RANGE:	2 - 30
DEFAULT:	10
EXAMPLE:	BILBUFAGE=5
RECOMMENDED:	10
SEE ALSO:	BILBLKCNT, BILBUFCNT

Chapter 12. BILBUFCNT

The number of Before Image Log buffers that contain *BILBLKCNT* number of database blocks. This is located in shared memory.

DYNAMIC:	NO --- mpctl start up only
RANGE:	3 - 20
DEFAULT:	5
EXAMPLE:	BILBUFCNT=5
RECOMMENDED:	5
SEE ALSO:	BILBLKCNT, BILBUFAGE

Chapter 13. BILFULLPC

When the Before Image Log reaches this percentage full a QUIESCE will be requested.

DYNAMIC:	YES
RANGE:	50 - 95
DEFAULT:	90
EXAMPLE:	BILFULLPC=50
RECOMMENDED:	90
SEE ALSO:	BILQUIESCEINT

Chapter 14. BILQUIESCEINT

The number of minutes between each scheduled database QUIESCE.

DYNAMIC:	YES
RANGE:	5 - 60
DEFAULT:	15
EXAMPLE:	BILQUIESCEINT=10
RECOMMENDED:	15
SEE ALSO:	BILFULLPC, BILRETRYCNT

Chapter 15. BILRETRYCNT

The number of times that an unsuccessful database QUIESCE will be attempted before the database is shutdown. If a database QUIESCE cannot be completed it is scheduled to retry at the next 5-minute mark no matter what the value of*BILQUIESCEINT*.

DYNAMIC:	YES
RANGE:	3 - 65535
DEFAULT:	5
EXAMPLE:	BILRETRYCNT=10
RECOMMENDED:	5
SEE ALSO:	BILQUIESCEINT

Chapter 16. CHECKLEVEL

Enable checking of certain system internals for integrity and logging. The higher the checking level the more detailed the checking. There is a limit of 10 entries.

DYNAMIC: NO --- read when dbbkrs starts only

FORMAT: FBACKUP=VN,TDN,TDD,TBS,MULTI

VN Database volume number.

TDN Tape drive number as specified in the etc/system.conf file.

TDD Tape drive density as specified in the etc/system.conf file.

TBS Tape buffer size. It should be a multiple of the database block size, if not it will be rounded down.

MULTI If specified allows multiple M volumes to be backed up to the same tape.

EXAMPLE: FBACKUP=0,0,HC,24k

FBACKUP=1,1,HC,32k,M

FBACKUP=2,0,HC,24k

FBACKUP=3,1,HC,32k

FBACKUP1=0,2,HC,24k

FBACKUP1=1,3,HC,32k,M

FBACKUP1=2,2,HC,24k

FBACKUP1=3,3,HC,32k

RECOMMENDED: Site Specific

SEE ALSO: ABACKUPOPTION, FBACKUPOPTION, FBACKUPSAVE, IBACKUP, IBACKUPOPTION, IBACKUPSAVE, JBACKUP, JBACKUPOPTION, JBACKUPSAVE

Chapter 17. CONFIGUREDDP

Indicates whether the system should be configured to allow DDP messages

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	CONFIGUREDDP=YES
RECOMMENDED:	Site Specific - depends on whether there are other vendors M
	systems that need to be networked with.
SEE ALSO:	CONFIGUREXSYS, DDPGROUPS,DDPPASSWORD, IPL_NetworkServers, IPL_StartNetworkServers, MPMSEPORT, MSERVERPORT, NETWORK_CARD, REQUESTSRVDEBUG, RSERVERPORT, STARTDDP, WATCHDOGPORT

Chapter 18. CONFIGURETRANS

Indicates whether the system should be configured to allow global translation.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	CONFIGURETRANS=YES
RECOMMENDED:	Site specific - depends whether global translation is required.
SEE ALSO:	REPLTABSIZE, TRANSTABSIZE, IPL_EnableTranslation

Chapter 19. CONFIGUREXSYS

Indicates whether the system should be configured to allow inter system networking.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	CONFIGUREXSYS=YES
RECOMMENDED:	Site specific - depends whether networking is required.
SEE ALSO:	CONFIGUREDDP, DDPGROUPS,DDPPASSWORD, IPL_NetworkServers, IPL_StartNetworkServers, MPMSEPORT, MSERVERPORT, NETWORK_CARD, REQUESTSRVDEBUG, RSERVERPORT, STARTDDP, WATCHDOGPORT

Chapter 20. DBUFPC

The percentage of the buffer pool to use for data blocks.

DYNAMIC:	YES
RANGE:	10 - 50
DEFAULT:	40
EXAMPLE:	DBUFPC=50
RECOMMENDED:	40
SEE ALSO:	BHTHRESHOLD, GBUFPC, MULTIBUFPOOLS

Chapter 21. DDPGROUPS

Specifies DDP security groups.

DYNAMIC:	NO
RANGE:	Numeric
DEFAULT:	1
EXAMPLE:	DDPGROUPS=3
RECOMMENDED:	Site specific.
SEE ALSO:	CONFIGUREDDP, CONFIGUREXSYS, DDPPASSWORD, IPL_NetworkServers, IPL_StartNetworkServers, MPMSEPORT, MSERVERPORT, NETWORK_CARD, REQUESTSRVDEBUG, RSERVERPORT, STARTDDP, WATCHDOGPORT

Chapter 22. DDPPASSWORD

Specifies DDP password.

DYNAMIC:	NO
RANGE:	String
DEFAULT:	/0/0/0/0/0/0/0/0
EXAMPLE:	DDPPASSWORD=FRED
RECOMMENDED:	Site specific
SEE ALSO:	CONFIGUREDDP, CONFIGUREXSYS, DDPGROUPS, IPL_NetworkServers, IPL_StartNetworkServers, MPMSEPORT, MSERVERPORT, NETWORK_CARD, REQUESTSRVDEBUG, RSERVERPORT, STARTDDP, WATCHDOGPORT

Chapter 23. DEFAULT_DOMAINS

Allows a comma separated list of domains to be specified that will be available to the partition's principle device. This is necessary because the **OPEN** on a primary device is implicit and hence the domain list cannot be specified. The first entry in the list will be the current domain for the principle device

DYNAMIC:	NO
RANGE:	Comma separated string
DEFAULT:	NULL
EXAMPLE:	DEFAULT_DOMAINS=VT200,ANSI,PRINTER
RECOMMENDED:	Site Specific - depends on the application profile.
SEE ALSO:	AVG_DOMAIN_NAME_SIZE, AVG_DOMAIN_NAME_SIZE, AVG_MNEMONIC_NAME_SIZE, AVG_MNEMONIC_VALUE_SIZE, IPL_LoadMnemonicNamespaces, MAX_DOMAINS, MAX_DOMAINS_PER_DEVICE

Chapter 24. FBACKUP, FBACKUP1 - FBACKUP9

Used by the backup program *dbbkrs* to determine, for a FULL backup, which database volume goes on which tape drive and the buffer size to use. There must an entry for each database volume or the backup will not complete.

DYNAMIC: NO --- read when dbbkrs starts only

FORMAT: FBACKUPOPTION=NAME,VALUE

The values for the NAME field are:

STATUSMSG

Controls whether the status messages should be logged or logged and displayed. The valid values for the VALUE field are YES or NO. The default is NO.

ALERTBELLS

Controls the number of alert bell sequences to send when prompting for input. The valid values for the VALUE field are 0 - 5. The default is 3.

EXAMPLES: FBACKUPOPTION=STATUSMSG,YES

FBACKUPOPTION=ALERTBELLS,5

FBACKUPOPTION1=ALERTBELLS,0

RECOMMENDED: Site Specific

SEE ALSO: ABACKUPOPTION, FBACKUP, FBACKUPSAVE, IBACKUP, IBACKUPOPTION, IBACKUPSAVE, JBACKUP, JBACKUPOPTION, JBACKUPSAVE

Chapter 25. FBACKUPOPTION, FBACKUPOPTION1 - FBACKUPOPTION9

Used by the backup program *dbbkrs* to control FULL backup options. Using this will override any options set using *ABACKUPOPTION*.

DYNAMIC: NO --- read when dbbkrs starts only

FORMAT: FBACKUPOPTION=NAME,VALUE

The values for the NAME field are:

STATUSMSG

Controls whether the status messages should be logged or logged and displayed. The valid values for the VALUE field are YES or NO. The default is NO.

ALERTBELLS

Controls the number of alert bell sequences to send when prompting for input. The valid values for the VALUE field are 0 - 5. The default is 3.

EXAMPLES: FBACKUPOPTION=STATUSMSG,YES

FBACKUPOPTION=ALERTBELLS,5

FBACKUPOPTION1=ALERTBELLS,0

RECOMMENDED: Site Specific

SEE ALSO: ABACKUPOPTION, FBACKUP, FBACKUPSAVE, IBACKUP, IBACKUPOPTION, IBACKUPSAVE, JBACKUP, JBACKUPOPTION, JBACKUPSAVE

Chapter 26. FBACKUPSAVE, FBACKUPSAVE1 - FBACKUPSAVE9

Used by the backup program *dbbkrs* to determine the number of days after a FULL backup tape is written before it can be reused. There should only be one entry.

DYNAMIC:	NO --- read when dbbkrs starts only
RANGE:	1 - 365
DEFAULT:	7
EXAMPLES:	FBACKUPSAVE=30
	FBACKUPSAVE1=15
RECOMMENDED:	7
SEE ALSO:	ABACKUPOPTION, FBACKUP, FBACKUPOPTION, IBACKUP, IBACKUPOPTION, IBACKUPSAVE, JBACKUP, JBACKUPOPTION, JBACKUPSAVE

Chapter 27. GBL_COL_INTERNAL

Sets the default internal collating sequence for newly created globals.

DYNAMIC:	YES
RANGE:	NUMERIC or STRING
DEFAULT:	NUMERIC
EXAMPLE:	GBL_COL_INTERNAL=STRING
RECOMMENDED:	Site Specific - depends on the application profile.
SEE ALSO:	GBL_COL_EXTERNAL, GBL_JOURNAL, GBL_PROTECT, GBL_PROTECT_PERCENT

Chapter 28. GBL_COL_EXTERNAL

Sets the default external collating sequence for access to globals outside of the current system.

DYNAMIC:	YES
RANGE:	NUMERIC or STRING
DEFAULT:	NUMERIC
EXAMPLE:	GBL_COL_EXTERNAL=STRING
RECOMMENDED:	Site Specific - depends on the application profile.
SEE ALSO:	GBL_COL_INTERNAL, GBL_JOURNAL, GBL_PROTECT, GBL_PROTECT_PERCENT

Chapter 29. GBL_JOURNAL

Sets the default journaling status for newly created globals.

DYNAMIC:	YES
RANGE:	NEVER, GLOBAL, UCI
DEFAULT:	UCI
EXAMPLE:	GBL_JOURNAL=GLOBAL
RECOMMENDED:	Site Specific - depends on the application profile.
SEE ALSO:	GBL_COL_INTERNAL, GBL_COL_EXTERNAL, GBL_PROTECT, GBL_PROTECT_PERCENT

Chapter 30. GBL_PROTECT

Sets the default global protection for newly created non-% globals.

DYNAMIC: YES.

FORMAT: GBL_PROTECT=NAME,VALUE

NAME field values:

SYSTEM

Set the protection for utilities running in UCI number 1. Valid values are N - no access, R - READ access, RW - READ/WRITE access, RWD - READ/WRITE/DELETE access.

WORLD

Set the protection for global accesses originating outside of this system - i.e. using M networking or DDP. Valid values are N - no access, R - READ access, RW - READ/WRITE access, RWD - READ/WRITE/DELETE access.

GROUP

Set the protection for access by routines running in other UCIs on the same system as the global. Valid values are N - no access, R - READ access, RW - READ/WRITE access, RWD - READ/WRITE/DELETE access.

USER

Set the protection for access by routines running in the UCI where the global is stored. Valid values are N - no access, R - READ access, RW - READ/WRITE access, RWD - READ/WRITE/DELETE access.

EXAMPLES: GBL_PROTECT=SYSTEM,RWD

GBL_PROTECT=GROUP,R

GBL_PROTECT=WORLD,N

GBL_PROTECT=USER,RW

SEE ALSO: GBL_COL_INTERNAL, GBL_COL_EXTERNAL, GBL_JOURNAL, GBL_PROTECT_PERCENT

Chapter 31. GBL_PROTECT_PERCENT

Sets the default global protection for newly created % globals.

DYNAMIC: YES.

FORMAT: GBL_PROTECT_PERCENT=NAME,VALUE

NAME field values:

SYSTEM

Set the protection for utilities running in UCI number 1. Valid values are N - no access, R - READ access, RW - READ/WRITE access, RWD - READ/WRITE/DELETE access.

WORLD

Set the protection for global accesses originating outside of this system - i.e. using M networking or DDP. Valid values are N - no access, R - READ access, RW - READ/WRITE access, RWD - READ/WRITE/DELETE access.

GROUP

Set the protection for access by routines running in other UCIs on the same system as the global. Valid values are N - no access, R - READ access, RW - READ/WRITE access, RWD - READ/WRITE/DELETE access.

USER

Set the protection for access by routines running in the UCI where the global is stored. Valid values are N - no access, R - READ access, RW - READ/WRITE access, RWD - READ/WRITE/DELETE access.

EXAMPLES: GBL_PROTECT=SYSTEM,RWD

GBL_PROTECT=GROUP,R

GBL_PROTECT=WORLD,N

GBL_PROTECT=USER,RW

SEE ALSO: GBL_COL_INTERNAL, GBL_COL_EXTERNAL, GBL_JOURNAL, GBL_PROTECT

Chapter 32. GBUFPC

The percent of the buffer pool to be used for general use, i.e. routine blocks, directory and pointer blocks.

DYNAMIC:	YES
RANGE:	10 - 50
DEFAULT:	40
EXAMPLE:	GBUFPC=50
RECOMMENDED:	40
SEE ALSO:	BHTHRESHOLD, DBUFPC, MULTIBUFPOOLS

Chapter 33. GET_BP_SLEEP

This parameter is used to optimise the use of buffer cache for a given system. The parameter specifies the time in 1/100 of a second to sleep between attempts to lock a buffer cache block that is in use. The default value is 50 (1/2 second) and values can be specified between 1 and 50. A special value of zero has also been implemented. This adds each job waiting for a buffer that is in use, to a first in first out queue rather than trying to lock the buffer repeatedly in a loop. **WARNING, injudicious use of this parameter can seriously degrade the performance of the M system**.

DYNAMIC:	YES
RANGE:	0 - 50
DEFAULT:	50
EXAMPLE:	GET_BP_SLEEP=10
RECOMMENDED:	50

Chapter 34. IBACKUP, IBACKUP1 - IBACKUP9

Used by the backup program *dbbkrs* to determine which tape drive and buffer size to use when doing an INCREMENTAL backup. There should only be one entry.

DYNAMIC: NO --- read when dbbkrs starts only

FORMAT: IBACKUP=TDN,TDD,TBS

TDN Tape drive number as specified in the etc/system.conf file.

TDD Tape drive density as specified in the etc/system.conf file.

TBS Tape buffer size. It should be a multiple of the database block size, if not it will be rounded down.

EXAMPLES: IBACKUP=0,HC,32k

IBACKUP1=1,HC,32k

RECOMMENDED: Site Specific

SEE ALSO: ABACKUPOPTION, FBACKUP, FBACKUPOPTION, FBACKUPSAVE, IBACKUPOPTION, IBACKUPSAVE, JBACKUP, JBACKUPOPTION, JBACKUPSAVE

Chapter 35. IBACKUPOPTION, IBACKUPOPTION1 - IBACKUPOPTION9

Used by the backup program *dbbkrs* to control INCREMENTAL backup options. Using this will override any options set using *ABACKUPOPTION*.

DYNAMIC: NO --- read when dbbkrs starts only

FORMAT: IBACKUPOPTION=NAME,VALUE

The values for the NAME field are:

STATUSMSG

Controls whether the status messages should be logged or logged and displayed. The valid values for the VALUE field are YES or NO. The default is NO.

ALERTBELLS

Controls the number of alert bell sequences to send when prompting for input. The valid values for the VALUE field are 0 - 5. The default is 3.

EXAMPLES: IBACKUPOPTION=STATUSMSG,YES

IBACKUPOPTION=ALERTBELLS,5

IBACKUPOPTION1=ALERTBELLS,0

RECOMMENDED: Site Specific

SEE ALSO: ABACKUPOPTION, FBACKUP, FBACKUPOPTION, FBACKUPSAVE, IBACKUP, IBACKUPSAVE, JBACKUP, JBACKUPOPTION, JBACKUPSAVE

Chapter 36. IBACKUPSAVE, IBACKUPSAVE1 - IBACKUPSAVE9

Used by the backup program *dbbkrs* to determine the number of days after an INCREMENTAL backup tape is written before it can be reused. There should only be one entry.

DYNAMIC:	NO --- read when dbbkrs starts only
RANGE:	1 - 365
DEFAULT:	7
EXAMPLES:	IBACKUPSAVE=30
	IBACKUPSAVE1=15
RECOMMENDED:	7
SEE ALSO:	ABACKUPOPTION, FBACKUP, FBACKUPOPTION, FBACKUPSAVE, IBACKUP, IBACKUPOPTION, JBACKUP, JBACKUPOPTION, JBACKUPSAVE

Chapter 37. IPL_EnableSystemJournal

Enables system wide global journaling when the M system is first started.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	IPL_EnableSystemJournal=YES
RECOMMENDED:	Site Specific - depends if global journaling is required.
SEE ALSO:	IPL_EnableSystemJournalProg

Chapter 38. IPL_EnableSystemJournalProg

Enables system wide journaling of changes to routines when the M system is first started.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	IPL_EnableSystemJournalProg=YES
RECOMMENDED:	Site Specific - depends if routine journaling is required.
SEE ALSO:	IPL_EnableSystemJournal

Chapter 39. IPL_EnableTranslation

Enables global translation when the M system is first started and loads any global translations specified in the **^Mu("Translation"...** global in the MGR UCI.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	IPL_EnableTranslation=YES
RECOMMENDED:	Site Specific - depends if translation is required.
SEE ALSO:	CONFIGURETRANS, TRANSTABSIZE, REPLTABSIZE

Chapter 40. IPL_LoadDeviceTranslations

Load the device translation table specified in **DBNAME.devicetranslations** when the M system is first started.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	IPL_LoadDeviceTranslations=YES
RECOMMENDED:	Site Specific - depends if device translation is required.
SEE ALSO:	MAXDEVTRANTABS

Chapter 41. IPL_LoadMnemonicNamespaces

Load the mnemonic namespaces specified in **DBNAME.mnemonicnamespaces** when the M system is first started.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	IPL_LoadMnemonicNamespaces=YES
RECOMMENDED:	Site Specific - depends if mnemonics are required.
SEE ALSO:	AVG_DOMAIN_NAME_SIZE, AVG_DOMAIN_NAME_SIZE, AVG_MNEMONIC_NAME_SIZE, AVG_MNEMONIC_VALUE_SIZE, DEFAULT_DOMAINS, IPL_LoadMnemonicNamespaces, MAX_DOMAINS, MAX_DOMAINS_PER_DEVICE

Chapter 42. IPL_LoadXCallLibraries

Loads external calls when the M system is first started.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	IPL_LoadXCallLibraries=YES
RECOMMENDED:	Site Specific - depends external calls are required.
SEE ALSO:	IPL_XCallDefaultPackageList, IPL_XCallLibrary

Chapter 43. IPL_NetworkServers

Specifies the number of network server to start when the M system is first started.

DYNAMIC:	NO
RANGE:	1 to 16
DEFAULT:	1
EXAMPLE:	IPL_NetworkServers=3
RECOMMENDED:	Site Specific - depends on networking traffic and usage.
SEE ALSO:	CONFIGUREDDP, CONFIGUREXSYS, DDPGROUPS, DDPPASSWORD, IPL_StartNetworkServers, MPMSEPORT, MSERVERPORT, NETWORK_CARD, REQUESTSRVDEBUG, RSERVERPORT, STARTDDP, WATCHDOGPORT

Chapter 44. IPL_StartAPIServers

Starts the API servers specified in **^Mu("API"...** when the M system is first started.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	IPL_StartAPIServers=YES
RECOMMENDED:	Site Specific - depends whether API access is required.

Chapter 45. IPL_StartKeptZjobs

Starts the configured number of kept background jobs when the M system is first started. This saves time when starting initial background jobs.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	IPL_StartKeptZjobs=YES
RECOMMENDED:	YES
SEE ALSO:	KEEPZJOBS

Chapter 46. IPL_StartMServers

Starts the M socket servers specified in **^Mu("Srv"...** when the M system is first started.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	IPL_StartMServers=YES
RECOMMENDED:	Site Specific - depends whether socket listeners are required.

Chapter 47. IPL_StartNetworkServers

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	IPL_StartNetworkServers=YES
RECOMMENDED:	Site Specific - depends on whether M networking is required.
SEE ALSO:	CONFIGUREDDP, CONFIGUREXSYS, DDPPASSWORD, IPL_NetworkServers, MPMSEPORT, MSERVERPORT, NETWORK_CARD, REQUESTSRVDEBUG, RSERVERPORT, STARTDDP, WATCHDOGPORT

Chapter 48. IPL_StartOtherJobs

Starts background jobs specified in **^Mu("IPL","Other Jobs"...** when the M system is first started.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	IPL_StartOtherJobs=YES
RECOMMENDED:	Site Specific - depends whether background jobs are required.

Chapter 49. IPL_XCallDefaultPackageList

Specifies the XCALL packages to add to the default package list when the M system is first started.

DYNAMIC:	NO
RANGE:	List of names separated by commas
DEFAULT:	None
EXAMPLE:	IPL_XCallDefaultPackageList=Math,Time,Other
RECOMMENDED:	Site Specific - depends whether external calls are required.
SEE ALSO:	IPL_LoadXCallLibraries, IPL_XCallLibrary

Chapter 50. IPL_XCallLibrary

Specifies an XCALL library to load when the M system is first started. Multiple libraries can be loaded by specifying more than one IPL_XCallLibrary line in the configuration file.

DYNAMIC:	NO
RANGE:	Filename
DEFAULT:	None
EXAMPLE:	IPL_XCallLibrary=/user/xcalls/myxcall_lib.so
RECOMMENDED:	Site Specific - depends whether external calls are required.
SEE ALSO:	IPL_LoadXCallLibraries, IPL_XCallDefaultPackageList

Chapter 51. JBACKUP, JBACKUP1 - JBACKUP9

Used by the backup program *dbbkrs* to determine which tape drive and buffer size to use when doing a JOURNAL backup. There should only be one entry.

DYNAMIC: NO --- read when dbbkrs starts only

FORMAT: JBACKUP=TDN,TDD,TBS

TDN Tape drive number as specified in the etc/system.conf file.

TDD Tape drive density as specified in the etc/system.conf file.

TBS Tape buffer size, should be 16K.

EXAMPLES: JBACKUP=0,HC,16k

JBACKUP1=1,HC,16k

RECOMMENDED: Site Specific

SEE ALSO: ABACKUPOPTION, FBACKUP, FBACKUPOPTION, FBACKUPSAVE, IBACKUP, IBACKUPOPTION, IBACKUPSAVE, JBACKUPOPTION, JBACKUPSAVE

Chapter 52. JBACKUPOPTION, JBACKUPOPTION1 - JBACKUPOPTION9

DYNAMIC: NO --- read when dbbkrs starts only

FORMAT: JBACKUPOPTION=NAME,VALUE

The values for the NAME field are:

STATUSMSG

Controls whether the status messages should be logged or logged and displayed. The valid values for the VALUE field are YES or NO. The default is NO.

ALERTBELLS

Controls the number of alert bell sequences to send when prompting for input. The valid values for the VALUE field are 0 - 5. The default is 3.

EXAMPLES: JBACKUPOPTION=STATUSMSG,YES

JBACKUPOPTION=ALERTBELLS,5

JBACKUPOPTION1,ALERTBELLS,0

RECOMMENDED: Site Specific

SEE ALSO: ABACKUPOPTION, FBACKUP, FBACKUPOPTION, FBACKUPSAVE, IBACKUP, IBACKUPOPTION, IBACKUPSAVE, JBACKUP, JBACKUPSAVE

Chapter 53. JBACKUPSAVE, JBACKUPSAVE1 - JBACKUPSAVE9

Used by the backup program *dbbkrs* to determine the number of days after a JOURNAL backup tape is written before it can be reused. There should only be one entry.

DYNAMIC:	NO --- read when dbbkrs starts only
RANGE:	1 - 365
DEFAULT:	7
EXAMPLES:	JBACKUPSAVE=30
	JBACKUPSAVE1=15
RECOMMENDED:	7
SEE ALSO:	ABACKUPOPTION, FBACKUP, FBACKUPOPTION, FBACKUPSAVE, IBACKUP, IBACKUPOPTION, IBACKUPSAVE, JBACKUP, JBACKUPOPTION

Chapter 54. JNLBUFAGE

The number of seconds that a journal buffer, which is not full, remains in memory before it is written to the journal files on disk.

DYNAMIC:	YES
RANGE:	2 - 30
DEFAULT:	5
EXAMPLE:	JNLBUFAGE=10
RECOMMENDED:	5
SEE ALSO:	JNLBUFCNT

Chapter 55. JNLBUFCNT

The number of journal buffers. The buffers are 16Kb in size and are located in shared memory.

DYNAMIC:	NO --- mpctl start up only
RANGE:	3 - 50
DEFAULT:	20
EXAMPLE:	JNLBUFCNT=5
RECOMMENDED:	20
SEE ALSO:	JNLBUFAGE

Chapter 56. JNLEXTRAINFO

Journal extra information about each **SET** and **KILL**. The extra information includes the job number, the program name, the UNIX pid, and the login name. This additional information will cause the journal files to fill up faster.

DYNAMIC:	YES
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	JNLEXTRAINFO=YES
RECOMMENDED:	NO

Chapter 57. JNLSYNCCNT

Controls the number of blocks that will be copied from one journal file to the other during synchronization, before checking for modified buffers.

DYNAMIC:	YES
RANGE:	2 - 50
DEFAULT:	10
EXAMPLE:	JNLSYNCCNT=20
RECOMMENDED:	10
SEE ALSO:	JNLSYNCINT, JNLWARNPC

Chapter 58. JNLSYNCINT

Controls the interval in seconds that *mpctl* will cause *mpjnl* to wake up to copy *JNL-SYNCCNT* blocks even if there are no modified buffers.

DYNAMIC:	YES
RANGE:	2 - 10
DEFAULT:	3
EXAMPLE:	JNLSYNCINT=5
RECOMMENDED:	3
SEE ALSO:	JNLSYNCCNT, JNLWARNPC

Chapter 59. JNLWARNPC

When the journal files become this percentage full, a message will be logged to the current M log file as a warning. This is repeated at each 1 percent increase until the journal file or files become full.

DYNAMIC:	YES
RANGE:	50 - 95
DEFAULT:	80
EXAMPLE:	JNLWARNPC=90
RECOMMENDED:	80
SEE ALSO:	JNLSYNCCNT, JNLSYNCINT

Chapter 60. JOBS

Specifies the total number of M jobs that can run using this database. This includes both foreground and background [**JOB**] jobs. This is located in shared memory and takes over 2000 bytes per job.

DYNAMIC:	NO --- mpctl start up only
RANGE:	16 - 2048
DEFAULT:	32
EXAMPLE:	JOBS=200
RECOMMENDED:	Site Specific

Chapter 61. KEEPLOGS

Specifies the number of M log files to keep. Each midnight, when the log files are switched, log files that are older than the value of *KEEPLOGS* will be deleted.

DYNAMIC:	YES
RANGE:	5 - 31
DEFAULT:	15
EXAMPLE:	KEEPLOGS=10
RECOMMENDED:	15

Chapter 62. KEEPSARS

Specifies the number of M system activity (sar) files to keep. Each midnight when the activity files are switched, sar files that are older than the value of *KEEPSARS* will be deleted.

DYNAMIC:	YES
RANGE:	2 - 31
DEFAULT:	15
EXAMPLE:	KEEPSARS=15
RECOMMENDED:	15

Chapter 63. KEEPZJOBS

The number of background jobs that should be kept in standby mode after they have completed their task.

DYNAMIC:	YES
RANGE:	0 - 500, Will be adjusted if necessary to 1/2 of the total number of jobs minus reserved jobs.
DEFAULT:	10
EXAMPLE:	KEEPZJOBS=20
RECOMMENDED:	10
SEE ALSO:	JOBS, RESERVEDJOBS

Chapter 64. KEYBOARD

The default keyboard map to use if not specified on the command line of *mpmse* or defined for a port used for an interactive terminal [foreground] job. A value of 0 will cause *mpmse* to use the default internal map. A value greater than 0 will cause *mpmse* to read the map from a file.

DYNAMIC:	YES
RANGE:	0 - 9
DEFAULT:	0
EXAMPLE:	KEYBOARD=2
RECOMMENDED:	Site Specific
SEE ALSO:	TERMTYPE

Chapter 65. LOCK_RETRY

This parameter optimises the use of M locks for a given M system. The parameter specifies the time in 1/1000 of a second to sleep between attempts to lock an M global that is already locked. **WARNING, injudicious use of this parameter can seriously degrade the performance of the M system**.

DYNAMIC:	YES
RANGE:	1-3000
DEFAULT:	500
EXAMPLE:	LOCK_RETRY=100
RECOMMENDED:	500

Chapter 66. LOCKTABLESIZE

The number of Kilobytes to allocate in shared memory for general system locks.

DYNAMIC:	NO --- mpctl start up only
RANGE:	8 Kb - 1 Mb
DEFAULT:	150 Kb
EXAMPLE:	LOCKTABLESIZE=175k
RECOMMENDED:	150k

Chapter 67. LOGGINGDEBUG

`Debugs the logging of messages` **The debug information will be written to a file in /tmp called D.logmsg.xxxx where xxxx is the process id of the mpctl process .**

DYNAMIC:	YES
RANGE:	0 (off) or 1 (on)
DEFAULT:	0 (off)
EXAMPLE:	LOGGINGDEBUG=1
RECOMMENDED:	0

Chapter 68. LOGLEVEL

Enable logging of certain types of messages. The higher the logging level the greater the level of detail logged by the lower level functions. There is a limit of 10 entries.

DYNAMIC: YES

FORMAT: LOGLEVEL=NAME,LEVEL

The values for the NAME field are:

BADTTYREAD

If LEVEL is greater than 0, then each time a job gets zero bytes returned from a tty read when it should have received at least one, a message is logged to the current M log file.

BALLOC:

If LEVEL is greater than 0, then when a block is allocated information is logged to the current M log file.

BUFFERHOG

If LEVEL is greater than 0, then each time a job is restricted to the HOG buffer pool, or allowed access to all the buffer pools a message is logged to the current M log file.

CACHEFIND

If LEVEL is greater then 0, then when there is a routine cache error a message along with the table will be logged to the current M log file.

GETBUFFER

If LEVEL is greater than 0, then each time a job tries to get a buffer from one buffer pool and has to get it from another buffer pool a message is logged in the current M log file.

LBN0 - LBN9

If CHECKLEVEL=LOGICALBLOCKS is greater than 0, then LEVEL is used to match a logical block number.

MBUFMAXWAKEUP

If LEVEL is greater than 0, then each time mpctl has to wake up the disk writers because the number of modified buffers for the volume exceeded MBUFMAX, a message is logged in the current M log file.

MMALLOCDUMP

If LEVEL is greater than 0, then when a job has a routine cache error it will dump the mmalloc tables to tmp/h1234n1.mmdump relative to the M base directory.

MMALLOCHISTORY

If LEVEL is greater than 0, then when a job exits it will log the mmalloc history for the job in tmp/h1234n1.mmalloc relative to the M base directory.

MERROR

If LEVEL is greater than 0, then, when a job encounters an M error, information will be logged in the current M log file.

OPENFAIL

If LEVEL is greater than 0, then when a job has an error opening a port, information will be logged in the current M log file.

PBN0 - PBN9

If CHECKLEVEL=PHYSICALBLOCKS is greater than 0, then LEVEL is used to match a physical block number.

PROGRAMSAVES

If LEVEL is greater than 0, then each time an M program is saved, information is logged to the current M log file showing which program was save and by whom.

RESOURCE_EXHAUSTED

If LEVEL is greater than 0, then when a job runs out of local variable memory or M lock memory or exceeds the maximum execution level for a job, a message will be logged to the current M log file.

VOLHDR_IOTIME

If LEVEL is greater than 0, then, when a master disk writer writes physical block 0 of a volume, it will log the amount of time it took to do the I/O in the current M log file.

EXAMPLE: LOGLEVEL=OPENFAIL,2

LOGLEVEL=NETERROR,1

LOGLEVEL=PBN0,0

LOGLEVEL=PBN1,513

LOGLEVEL=LBN5,1928374

RECOMMENDED: 0

SEE ALSO: CHECKLEVEL

Chapter 69. LOGSYSSTATS

At 23:59 each night log system statistical information about I/O that the *mpbil*, *mpdsk*, *mpjnl* processes have performed.

DYNAMIC:	YES
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	LOGSYSSTATS=YES
RECOMMENDED:	YES
SEE ALSO:	SYSTEMSTATUS

Chapter 70. MAXDEVTRANTABS

Specifies the number of device translation tables that can be held in memory.

DYNAMIC:	NO
RANGE:	0-16
DEFAULT:	8
EXAMPLE:	MAXDEVTRANTABS=14
RECOMMENDED:	Site Specific - depends on the application profile.
SEE ALSO:	IPL_LoadDeviceTranslations

Chapter 71. MAX_DOMAINS

Specifies the maximum number of domains that may be defined (both internal and external).

DYNAMIC:	NO
RANGE:	Numeric
DEFAULT:	20
EXAMPLE:	MAX_DOMAINS=50
RECOMMENDED:	Site Specific - depends on the application profile.
SEE ALSO:	AVG_DOMAIN_NAME_SIZE, AVG_MNEMONIC_NAME_SIZE, AVG_MNEMONIC_VALUE_SIZE, AVG_MNEMONICS_PER_DOMAIN, DEFAULT_DOMAINS, IPL_LoadMnemonicNamespaces, MAX_DOMAINS_PER_DEVICE

Chapter 72. MAX_DOMAINS_PER_DEVICE

Specifies the maximum number of domains that may be associated with a single device in an **OPEN** command. Any further domains in the domain list of the **OPEN** are ignored.

DYNAMIC:	NO
RANGE:	Numeric
DEFAULT:	8
EXAMPLE:	MAX_DOMAINS_PER_DEVICE=10
RECOMMENDED:	Site Specific - depends on the application profile.
SEE ALSO:	AVG_DOMAIN_NAME_SIZE, AVG_MNEMONIC_NAME_SIZE, AVG_MNEMONIC_VALUE_SIZE, AVG_MNEMONICS_PER_DOMAIN, DEFAULT_DOMAINS, IPL_LoadMnemonicNamespaces, MAX_DOMAINS

Chapter 73. MAXLEVEL

The maximum execution level for a job. A job will increment its execution level each time it does a **DO** , **XECUTE** or **FOR** command.

DYNAMIC:	YES
RANGE:	128 - 5120
DEFAULT:	512
EXAMPLE:	MAXLEVEL=600
RECOMMENDED:	512
SEE ALSO:	LOGLEVEL

Chapter 74. MAXLOCKTABSIZE

Specifies the maximum size in kilobytes of the M lock table.

DYNAMIC:	YES
RANGE:	2 - 250 k bytes
DEFAULT:	8 Kb
EXAMPLE:	MAXLOCKTABSIZE=100K
RECOMMENDED:	Site Specific - depends on the application profile.

Chapter 75. MBUFAGE

The number of seconds that a modified buffer can sit in the buffer pool before being written to the database by the disk writers.

DYNAMIC:	YES
RANGE:	1 - 60
DEFAULT:	15
EXAMPLE:	MBUFAGE=30
RECOMMENDED:	15
SEE ALSO:	MBUFINT, MBUFMAX, MBUFNUM

Chapter 76. MBUFINT

The interval in seconds at which the disk writers are woken up to check for buffers that are marked modified and have aged the proper amount.

DYNAMIC:	YES
RANGE:	1 - 10
DEFAULT:	2
EXAMPLE:	MBUFINT=2
RECOMMENDED:	2
SEE ALSO:	MBUFAGE, MBUFMAX, MBUFNUM

Chapter 77. MBUFMAX

The maximum number of modified buffers for each database volume that can be in the buffer pool. When reached the disk writers for that volume will keep trying to find buffers to write by lowering the aging value.

DYNAMIC:	YES
RANGE:	25 - 200
DEFAULT:	100
EXAMPLE:	MBUFMAX=125
RECOMMENDED:	100
SEE ALSO:	MBUFAGE, MBUFINT, MBUFNUM

Chapter 78. MBUFNUM

The maximum number of modified buffers a disk writer will look for and write to the database before sleeping.

DYNAMIC:	YES
RANGE:	2 - 100
DEFAULT:	10
EXAMPLE:	MBUFNUM=5
RECOMMENDED:	10
SEE ALSO:	MBUFAGE, MBUFINT, MBUFMAX

Chapter 79. MPMSEPORT

The request server port for communication between the request server and an M process.

DYNAMIC:	NO
RANGE:	UNIX domain socket name
DEFAULT:	/tmp/RequestServer
EXAMPLE:	MPMSEPORT=/tmp/mpmseport
RECOMMENDED:	Site specific.
SEE ALSO:	MSERVERPORT, RSERVERPORT, WATCHDOGPORT

Chapter 80. MSGBUFSIZE

The size of the logging message buffer used by all processes that need to log information to the current M log file. This is located in shared memory.

DYNAMIC:	NO --- mpctl start up only
RANGE:	1 Kb - 10 Kb
DEFAULT:	2K
EXAMPLE:	MSGBUFSIZE=4k
RECOMMENDED:	2K

Chapter 81. MULTIBUFPOOLS

Enable or disable multiple buffer pools. When enabled the disk buffers are divided into 3 pools, GENERAL, DATA, and HOG, otherwise there is a single buffer pool.

DYNAMIC:	YES
RANGE:	YES or NO
DEFAULT:	YES
EXAMPLE:	MULTIBUFPOOLS=YES
RECOMMENDED:	YES
SEE ALSO:	BHTHRESHOLD, DBUFPC, GBUFPC

Chapter 82. NETWORK_CARD

Specifies the device identifier of a network card to use for DDP. The default value of this parameter, if not specified, is null. The default value will mean that the request server will choose the configured network card with the lowest number, ignoring the loopback device.

DYNAMIC:	NO
RANGE:	String - path name of network device
DEFAULT:	NULL
EXAMPLE:	NETWORK_CARD=/dev/ether1
RECOMMENDED:	Machine configuration specific
SEE ALSO:	CONFIGUREXSYS, DDPGROUPS, DDPPASSWORD, IPL_NetworkServers, IPL_StartNetworkServers, MPMSEPORT, MSERVERPORT, REQUESTSRVDEBUG, RSERVERPORT, STARTDDP, WATCHDOGPORT

Chapter 83. OKTREL

If enabled *mpzap* will release exclusive locks owned by any dead job that the *mpctl* program requested *mpzap* to clean up.

DYNAMIC:	YES
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	OKTREL=YES
RECOMMENDED:	NO

PIPES

The number of named pipes (Inter-job Communications Devices) that can be accessed.

DYNAMIC:	NO --- mpctl start up only
RANGE:	5 - 100
DEFAULT:	10
EXAMPLE:	PIPES=25
RECOMMENDED:	Site Specific.

Chapter 84. PLTSIZE

Process lock table size. These are M internal locks. There is a table for each process that shows which internal locks this process is using. When the process terminates the table is scanned and the internal locks are released. This is located in shared memory.

DYNAMIC:	NO --- mpctl start up only
RANGE:	64 - 2048
DEFAULT:	256
EXAMPLE:	PLTSIZE=300
RECOMMENDED:	256

Chapter 85. PORTS

The total number of M [terminal, printer, etc...] ports that can be accessed. (e.g., If you are assigning ports starting at 300 and you are adding 200 ports then the entry should be PORTS=500). This is located in shared memory and takes about 300 bytes per port.

DYNAMIC:	NO --- mpctl start up only
RANGE:	5 - 6999
DEFAULT:	50
EXAMPLE:	PORTS=500
RECOMMENDED:	Site Specific

Chapter 86. REOPENDELAY

The number of seconds to delay when trying to open a port used for a printer that has just been closed. If the time since the port is greater than the *REOPENDELAY* value, there will not be a delay. Used when terminal servers will not allow a connection to be established to a port for some amount of time after a close.

DYNAMIC:	YES
RANGE:	0 - 60
DEFAULT:	0
EXAMPLE:	REOPENDELAY=10
RECOMMENDED:	0
SEE ALSO:	CLOSEDELAY, LINGERDELAY

Chapter 87. REPLTABSIZE

Indicates the maximum number of entries that may be specified in the global replication table.

DYNAMIC:	NO
RANGE:	32 - 2048
DEFAULT:	256
EXAMPLE:	REPLTABSIZE=1024
RECOMMENDED:	Site specific.
SEE ALSO:	CONFIGURETRANS, TRANSTABSIZE

Chapter 88. REQUESTSRVDEBUG

If specified with a value of YES then the cross system request server will start up with debugging enabled. The request server will write debug information to a file in /tmp called rs.xxxx where xxxx is the process id of the request server.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	REQUESTSRVDEBUG=YES
RECOMMENDED:	Site specific.
SEE ALSO:	CONFIGUREXSYS, DDPGROUPS, DDPPASSWORD, IPL_NetworkServers, IPL_StartNetworkServers, MPMSEPORT, MSERVERPORT, NETWORK_CARD, RSERVERPORT, STARTDDP, WATCHDOGPORT

Chapter 89. RESERVEDJOBS

Number of jobs reserved for interactive terminal [foreground] jobs.

DYNAMIC:	YES
RANGE:	1 - 500
DEFAULT:	4
EXAMPLE:	RESERVEDJOBS=25
RECOMMENDED:	4
SEE ALSO:	JOBS, KEEPZJOBS

Chapter 90. RSERVERPORT

The TCP port number for the R server.

DYNAMIC:	NO
RANGE:	TCP port number
DEFAULT:	4950
EXAMPLE:	RSERVERPORT=5126
RECOMMENDED:	Site specific.
SEE ALSO:	MPMSEPORT, MSERVERPORT, WATCHDOGPORT

Chapter 91. SARFILE

What to do to the M sar file at start up or if sar is enabled after the database is active.

DYNAMIC: YES
RANGE: APPEND

Append writes to current file.

CLEAR

Clear current file first.

DEFAULT: APPEND
EXAMPLE: SARFILE=CLEAR
RECOMMENDED: APPEND

SEE ALSO: SARINT

Chapter 92. SARINT

The interval in minutes between writing the system activity report counters to the M sar file. Each write to the file increases the file size by about 1500 bytes.

DYNAMIC:	YES
RANGE:	0 - 60
DEFAULT:	0
EXAMPLE:	SARINT=10
RECOMMENDED:	10
SEE ALSO:	SARFILE

Chapter 93. SHMSEG

Shared memory segment size. If shared memory cannot be acquired as one chunk then it will be acquired as smaller chunks of this size.

DYNAMIC:	NO --- mpctl start up only
RANGE:	1Mb - 128Mb
DEFAULT:	128m
EXAMPLE:	SHMSEG=1m
RECOMMENDED:	Site Specific
SEE ALSO:	SHMSIZE, SHMSTART

Chapter 94. SHMSIZE

Shared memory size to be allocated by *mpctl* at start up.

DYNAMIC:	NO --- mpctl start up only
RANGE:	8Mb - 128Mb
DEFAULT:	16m
EXAMPLE:	SHMSIZE=32m
RECOMMENDED:	Site Specific
SEE ALSO:	SHMSEG, SHMSTART

Chapter 95. SHMSTART

Shared memory starting address.

DYNAMIC:	NO --- mpctl start up only
RANGE:	OS dependent
DEFAULT:	For DG/UX M88K it is 0x80F00000, for all other O/S it is zero.
EXAMPLE:	SHMSTART=0x8F12000
RECOMMENDED:	0
SEE ALSO:	SHMSEG, SHMSIZE

Chapter 96. SPINLOCKPAUSE

The amount of time in 1/100 of a seconds to pause when a spinlock is already locked.

DYNAMIC:	YES.
RANGE:	3 - 10
DEFAULT:	10
EXAMPLE:	SPINLOCKPAUSE=5
RECOMMENDED:	10

Chapter 97. STAPSIZE

Size of the string accumulator. The M language processor uses this to store temporary information (somewhat like a stack).

DYNAMIC:	NO --- mpctl start up only
RANGE:	64 Kb - 256 Kb
DEFAULT:	128k
EXAMPLE:	STAPSIZE=75k
RECOMMENDED:	Application specific

Chapter 98. STARTDDP

Specifies whether the cross system request server starts with the processing of DDP messages enabled.

DYNAMIC:	NO
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	STARTDDP=YES
RECOMMENDED:	Application specific
SEE ALSO:	CONFIGUREXSYS, DDPGROUPS, DDPPASSWORD, IPL_NetworkServers, IPL_StartNetworkServers, MPMSEPORT, MSERVERPORT, NETWORK_CARD, REQUESTSRVDEBUG, RSERVERPORT, WATCHDOGPORT

Chapter 99. STRIPEVOLUMES

If enabled, a job will allocate a block from a different volume each time, instead of from the first volume with free blocks. This will cause the I/O load to be distributed across the volumes.

DYNAMIC:	YES
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	STRIPEVOLUMES=YES
RECOMMENDED:	Site specific

Chapter 100. SYMTABBCNT

The number of local symbol table buffers. Each buffer is the same size as defined by *SYMTABSIZE* . When a background job is started and the flag to copy the symbol table is specified as part of the parameters, then the current job will lock one of these buffers and copy its local symbol table into the locked buffer. When the background job starts, it will copy the buffer into its local symbol table memory and releases the buffer. These buffers are located in shared memory.

DYNAMIC:	NO --- mpctl start up only
RANGE:	2 - 10
DEFAULT:	5
EXAMPLE:	SYMTABBCNT=10
RECOMMENDED:	5
SEE ALSO:	SYMTABSIZE

Chapter 101. SYMTABSIZE

Size of the local symbol table used by the M language processor.

DYNAMIC:	NO --- mpctl start up only
RANGE:	10 Kb - 1 Mb
DEFAULT:	150k
EXAMPLE:	SYMTABSIZE=200k
RECOMMENDED:	Application specific.
SEE ALSO:	SYMTABBCNT

Chapter 102. SYNCWRITE

Enable or disable synchronous writes to the database disk files. By using synchronous writes the write system call will not return until the data block is physically written to the disk. Only utilised if the database volumes are on a file system.

DYNAMIC:	NO --- mpctl start up only
RANGE:	YES or NO
DEFAULT:	YES
EXAMPLE:	SYNCWRITE=YES
RECOMMENDED:	YES

Chapter 103. SYSTEMSTATUS

The interval in minutes to log system status information to the M log file.

DYNAMIC:	YES
RANGE:	5 - 60
DEFAULT:	60
EXAMPLE:	SYSTEMSTATUS=30
RECOMMENDED:	60
SEE ALSO:	LOGSYSSTATS

Chapter 104. TERMTYPE

The default terminal type to use for an interactive terminal [foreground] job.

DYNAMIC:	YES
RANGE:	0 ANSI 3.64.
	1 DG 400 series.
	2 VT220 with filtering for DG 400 series.
DEFAULT:	2
EXAMPLE:	TERMTYPE=0
RECOMMENDED:	Site Specific
SEE ALSO:	KEYBOARD

Chapter 105. TRANSTABSIZE

Indicates the maximum number of entries that may be specified in the global translation table.

DYNAMIC:	NO
RANGE:	32 - 1028
DEFAULT:	128
EXAMPLE:	TRANSTABSIZE=1024
RECOMMENDED:	Site specific.
SEE ALSO:	CONFIGURETRANS, REPLTABSIZE, IPL_EnableTranslation

Chapter 106. VIEW_NOT_IMPLEMENTED

If a value of YES is specified then usage of the VIEW command or $VIEW function will produce a <NOIMP> error. This will force errors when a VIEW command or $VIEW function is encountered rather than these going unnoticed and causing random errors .

DYNAMIC:	YES
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	VIEW_NOT_IMPLEMENTED=YES
RECOMMENDED:	Site specific.
SEE ALSO:	VIEW_PROTECT

Chapter 107. VIEW_PROTECT

If a value of YES is specified, then usage of the VIEW command is restricted to the Manager UCI and library (%) routines.

DYNAMIC:	YES
RANGE:	YES or NO
DEFAULT:	NO
EXAMPLE:	VIEW_PROTECT=YES
RECOMMENDED:	Site specific.
SEE ALSO:	VIEW_NOT_IMPLEMENTED

Chapter 108. WATCHDOGPORT

The port for the watchdog.

DYNAMIC:	NO
RANGE:	UNIX domain socket name
DEFAULT:	/tmp/RequestServerWD
EXAMPLE:	WATCHDOGPORT=/tmp/watchdog
RECOMMENDED:	Site specific.
SEE ALSO:	MPMSEPORT, MSERVERPORT, RSERVERPORT

Chapter 109. WRITERSPV

Specifies the number of disk writers per database volume.

DYNAMIC:	NO --- mpctl start up only
RANGE:	1 - 3
DEFAULT:	1
EXAMPLE:	WRITESPV=ALL,2
	WRITESPV=0,3
RECOMMENDED:	ALL,2