

# Property

\$MACHBASE\_HOME/conf/machbase.conf - .

. . .

## CPU\_AFFINITY\_BEGIN\_ID

CPU . CPU .

	Value
	0
	$2^{32} - 1$
	0

## CPU\_AFFINITY\_COUNT

CPU . 0 CPU .

	Value
	0
	$2^{32} - 1$
	0

## CPU\_COUNT

CPU . .0 CPU .

	Value
	0 ( CPU)
	$2^{32} - 1$
	0

## CPU\_PARALLEL

CPU . 2 cpu 2 , CPU 2 4 . , .

	Value
	1
	$2^{32} - 1$
	1

## DBS\_PATH

. "?/dbs", \$MACHBASE\_HOME/dbs .

	Value
	?/dbs

## DEFAULT\_LSM\_MAX\_LEVEL

LSM . MAX\_LEVEL .

	Value
	0
	3
	2

## DISK\_BUFFER\_COUNT

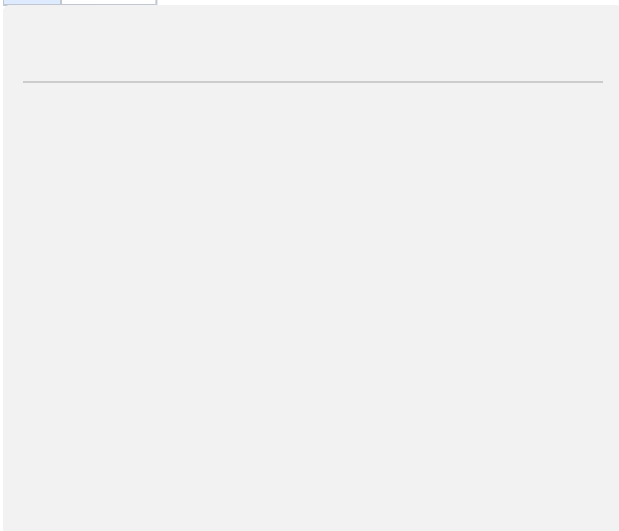
	Value
	1
	4G (4 * 1024 * 1024 * 1024)
	16

## DISK\_COLUMNAR\_INDEX\_CHECKPOINT\_INTERVAL\_SEC

	Value
	1 (sec)
	2 <sup>32</sup> -1 (sec)
	120 (sec)

## DISK\_COLUMNAR\_INDEX\_FDCACHE\_COUNT

	Value
	0
	2 <sup>32</sup> -1
	0



- CPU\_AFFINITY\_BEGIN\_ID
- CPU\_AFFINITY\_COUNT
- CPU\_COUNT
- CPU\_PARALLEL
- DBS\_PATH
- DEFAULT\_LSM\_MAX\_LEVEL
- DISK\_BUFFER\_COUNT
- DISK\_COLUMNAR\_INDEX\_CHECKPOINT\_INTERVAL\_SEC
- DISK\_COLUMNAR\_INDEX\_FDCACHE\_COUNT
- DISK\_COLUMNAR\_PAGE\_CACHE\_MAX\_SIZE
- DISK\_COLUMNAR\_TABLE\_CHECKPOINT\_INTERVAL\_SEC
- DISK\_COLUMNAR\_TABLE\_COLUMN\_FDCACHE\_COUNT
- DISK\_COLUMNAR\_TABLE\_COLUMN\_MAX\_CACHE\_SIZE
- DISK\_COLUMNAR\_TABLE\_COLUMN\_PART\_FLUSH\_MODE
- DISK\_COLUMNAR\_TABLE\_COLUMN\_PART\_IO\_INTERVAL\_MIN\_SEC
- DISK\_COLUMNAR\_TABLE\_COLUMN\_PARTITION\_PRECREATE\_COUNT
- DISK\_COLUMNAR\_TABLE\_TIME\_INVERSION\_MOD
- DISK\_COLUMNAR\_TABLESPACE\_DWFIL\_E\_EXT\_SIZE
- DISK\_COLUMNAR\_TABLESPACE\_DWFIL\_E\_INT\_SIZE
- DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_EXT\_SIZE
- DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_MAX\_SIZE
- DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_MIN\_SIZE
- DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_SLOWDOWN\_HIGH\_LIMIT\_PCT
- DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_SLOWDOWN\_MSEC
- DISK\_IO\_THREAD\_COUNT
- DISK\_TABLESPACE\_DIRECT\_IO\_FSYNC

- DISK\_TABLESPACE\_DIRECT\_IO\_READ
- DISK\_TABLESPACE\_DIRECT\_IO\_WRITE
- DUMP\_APPEND\_ERROR
- DUMP\_TRACE\_INFO
- DURATION\_BEGIN
- DURATION\_GAP
- FEEDBACK\_APPEND\_ERROR
- GRANT\_REMOTE\_ACCESS
- INDEX\_BUILD\_MAX\_ROW\_COUNT\_PER\_THREAD
- INDEX\_BUILD\_THREAD\_COUNT
- INDEX\_FLUSH\_MAX\_REQUEST\_COUNT\_PER\_INDEX
- INDEX\_LEVEL\_PARTITION\_AGER\_THREAD\_COUNT
- INDEX\_LEVEL\_PARTITION\_BUILD\_MEMORY\_HIGH\_LIMIT\_PCT
- INDEX\_LEVEL\_PARTITION\_BUILD\_THREAD\_COUNT
- MAX\_QPX\_MEM
- MEMORY\_ROW\_TEMP\_TABLE\_PAGESIZE
- PID\_PATH
- PORT\_NO
- PROCESS\_MAX\_SIZE
- QUERY\_PARALLEL\_FACTOR
- RS\_CACHE\_APPROXIMATE\_RESULT\_ENABLED
- RS\_CACHE\_ENABLE
- RS\_CACHE\_MAX\_MEMORY\_PER\_QUERY
- RS\_CACHE\_MAX\_MEMORY\_SIZE
- RS\_CACHE\_MAX\_RECORD\_PER\_QUERY
- RS\_CACHE\_TIME\_BOUND\_MSEC
- SHOW\_HIDDEN\_COLS
- TAGDATA\_AUTO\_META\_INSERT
- TRACE\_LOGFILE\_COUNT
- TRACE\_LOGFILE\_PATH
- TRACE\_LOGFILE\_SIZE
- UNIX\_PATH
- VOLATILE\_TABLESPACE\_MEMORY\_MAX\_SIZE
- DISK\_BUFFER\_COUNT

## DISK\_COLUMNAR\_INDEX\_SHUTDOWN\_BUILD\_FINISH

0 (False) | 1 (True)

	Value
	0 (False)
	1 (True)
	0 (False)

## DISK\_COLUMNAR\_PAGE\_CACHE\_MAX\_SIZE

0

	Value
	0
	$2^{64} - 1$
	$2 * 1024 * 1024 * 1024$

## DISK\_COLUMNAR\_TABLE\_CHECKPOINT\_INTERVAL\_SEC

1 (sec) |  $2^{32} - 1$  (sec) | 120 (sec)

	Value
	1 (sec)
	$2^{32} - 1$ (sec)
	120 (sec)

## DISK\_COLUMNAR\_TABLE\_COLUMN\_FDCACHE\_COUNT

0

	Value
	0
	$2^{32} - 1$
	0

## DISK\_COLUMNAR\_TABLE\_COLUMN\_MINMAX\_CACHE\_SIZE

0 |  $2^{64} - 1$  |  $100 * 1024 * 1024$

	Value
	0
	$2^{64} - 1$
	$100 * 1024 * 1024$

## DISK\_COLUMNAR\_TABLE\_COLUMN\_PART\_FLUSH\_MODE

	Value
	0 (sec)
	2 <sup>32</sup> -1 (sec)
	60 (sec)

## DISK\_COLUMNAR\_TABLE\_COLUMN\_PART\_IO\_INTERVAL\_MIN\_SEC

	Value
	0 (sec)
	2 <sup>32</sup> -1 (sec)
	3 (sec)

## DISK\_COLUMNAR\_TABLE\_COLUMN\_PARTITION\_PRECREATE\_COUNT

	Value
	1
	2 <sup>32</sup> -1
	3

## DISK\_COLUMNAR\_TABLE\_TIME\_INVERSION\_MOD

`DISK_COLUMNAR_TABLE_TIME_INVERSION_MOD` . 0 `DISK_COLUMNAR_TABLE_TIME_INVERSION_MOD` .

	Value
	0 (False)
	1 (True)
	1 (True)

## DISK\_COLUMNAR\_TABLESPACE\_DWFILE\_EXT\_SIZE

	Value
	1024 * 1024
	2 <sup>32</sup> - 1
	1024 * 1024

## DISK\_COLUMNAR\_TABLESPACE\_DWFILE\_INT\_SIZE

	Value
--	-------

	1024 * 1024
	2^32 - 1
	2 * 1024 * 1024

### DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_EXT\_SIZE

	Value
	1024 * 1024
	2^64 - 1
	2 * 1024 * 1024

### DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_MAX\_SIZE

50~80%

	Value
	256 * 1024 * 1024
	2^64 - 1
	8 * 1024 * 1024 * 1024

### DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_MIN\_SIZE

Table 24. Range of values

	Value
	1024 * 1024
	2^64 - 1
	100 * 1024 * 1024

### DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_SLOWDOWN\_HIGH\_LIMIT\_PCT

$$\text{DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_MAX\_SIZE} * (\text{DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_SLOWDOWN\_HIGH\_LIMIT\_PCT} / 100)$$

	Value
	0
	100
	80

### DISK\_COLUMNAR\_TABLESPACE\_MEMORY\_SLOWDOWN\_MSEC

	Value
--	-------

	0 (msec)
	2^32 - 1 (msec)
	1 (msec)

## DISK\_IO\_THREAD\_COUNT

	Value
	1
	2^32 - 1
	3

## DISK\_TABLESPACE\_DIRECT\_IO\_FSYNC

Direct I/O , fsync . Direct I/O fsync I/O (0).  
Fsync fsync .

	Value
	0
	1
	0

## DISK\_TABLESPACE\_DIRECT\_IO\_READ

DIRECT I/O .

	Value
	0
	1
	0

## DISK\_TABLESPACE\_DIRECT\_IO\_WRITE

DIRECT I/O .

	Value
	0
	1
	1

## DUMP\_APPEND\_ERROR

1 Append API \$MACHBASE\_HOME/trc/machbase.trc .  
append .

application [SQLAppendSetErrorCallback](#) API .

	Value
	0
	1



0
---

### DUMP\_TRACE\_INFO

DBMS machbase.trc , .  
0 .

Value
0 (sec)
2^32 - 1 (sec)
60 (sec)

### DURATION\_BEGIN

DURATION SELECT duration .  
60 , 60 .

0 .

Value
0
2^32 - 1
0

### DURATION\_GAP

DURATION SELECT duration .

- 60 , 60 .
- DURATION\_BEGIN 60, 60 60 .

0 .

Value
0
Non-zero
0

### FEEDBACK\_APPEND\_ERROR

Append API , .0 1 .

Value
0
1
1

### GRANT\_REMOTE\_ACCESS

.0 .

Value
0 (False)

	1 (True)
	1 (True)

### INDEX\_BUILD\_MAX\_ROW\_COUNT\_PER\_THREAD

.

	Value
	1
	$2^{32} - 1$
	100000

### INDEX\_BUILD\_THREAD\_COUNT

. 0 .

	Value
	0
	$2^{32} - 1$
	3

### INDEX\_FLUSH\_MAX\_REQUEST\_COUNT\_PER\_INDEX

flush .

	Value
	0
	$2^{32} - 1$
	3

### INDEX\_LEVEL\_PARTITION\_AGER\_THREAD\_COUNT

LSM .

	Value
	0
	1024
	1

### INDEX\_LEVEL\_PARTITION\_BUILD\_MEMORY\_HIGH\_LIMIT\_PCT

LSM . . . , LSM .

	Value
	0
	100
	70

### INDEX\_LEVEL\_PARTITION\_BUILD\_THREAD\_COUNT

LSM

	Value
	1
	1024
	3

## MAX\_QPX\_MEM

GROUP BY, DISTINCT, ORDER BY  
machbase.trc

	Value
	1024 * 1024
	2^64 - 1
	500 * 1024 * 1024

## MEMORY\_ROW\_TEMP\_TABLE\_PAGESIZE

Volatile table lookup . Volatile lookup volatile  
N \* N

	Value
	8 * 1024
	2^32 - 1
	32 * 1024

## PID\_PATH

PID . "?/conf" \$MACHBASE\_HOME/conf

	Value
	~/conf

PID_PATH	PID
	\$MACHBASE_HOME/conf/machbase.pid
~/test	\$MACHBASE_HOME/test/machbase.pid
/tmp	/tmp/machbase.pid

## PORT\_NO

TCP/IP . 5656.

	Value
	1024
	65535
	5656

## PROCESS\_MAX\_SIZE

machbased . . . , . . .  
•  
•  
, , .

	Value
	1024 * 1024 * 1024
	2^64 - 1
	8 * 1024 * 1024 * 1024

### QUERY\_PARALLEL\_FACTOR

	Value
	1
	100
	8

### RS\_CACHE\_APPROXIMATE\_RESULT\_ENABLE

(approximate result mode) . 1 , ( . ) 0 .

	Value
	0 (False)
	1 (True)
	0 (False)

### RS\_CACHE\_ENABLE

	Value
	0 (False)
	1 (True)
	1 (True)

### RS\_CACHE\_MAX\_MEMORY\_PER\_QUERY

	Value
	1024
	2^64 - 1
	16 * 1024 * 1024

### RS\_CACHE\_MAX\_MEMORY\_SIZE

	Value
	32 * 1024
	2^64 - 1
	512 * 1024 * 1024

## RS\_CACHE\_MAX\_RECORD\_PER\_QUERY

	Value
	1
	2^64 - 1
	10000

## RS\_CACHE\_TIME\_BOUND\_MSEC

.0 .

	Value
	0 (msec)
	2^64 - 1 (msec)
	1000 (msec)

## SHOW\_HIDDEN\_COLS

\_ARRIVAL\_TIME SELECT \* FROM . 1 .

	Value
	0
	1
	0

## TAGDATA\_AUTO\_META\_INSERT

5.5 TAGDATA\_AUTO\_NAME\_INSERT . 0/1 .

TAGDATA APPEND/INSERT , TAG\_NAME .

- 0: .
- 1: TAG\_NAME . , NULL .
- 2: TAG\_NAME , .
  - APPEND , INSERT 1 .
  - , APPEND APPEND Parameter .

	Value
	0
	2
	1

## TRACE\_LOGFILE\_COUNT

TRACE\_LOGFILE\_PATH . , .

	Value
	1
	$2^{32} - 1$
	5

## TRACE\_LOGFILE\_PATH

(machbase.trc, machadmin.trc, machcollector.trc, machsql.trc) .  
, , . ?/trc \$MACHBASE\_HOME/trc .

	Value
	~/conf

TRACE_LOGFILE_PATH	trc
	\$MACHBASE_HOME/trc/
~/test	\$MACHBASE_HOME/test/
/tmp	/tmp/

## TRACE\_LOGFILE\_SIZE

. , log .

	Value
	$10 * 1024 * 1024$
	$2^{32} - 1$
	$10 * 1024 * 1024$

## UNIX\_PATH

Unix domain socket . ?/conf/machbase-unix .

	Value
	~/conf/machbase-unix

## VOLATILE\_TABLESPACE\_MEMORY\_MAX\_SIZE

volatile, lookup .

	Value
	0
	$2^{64} - 1$
	$2 * 1024 * 1024 * 1024$

## DISK\_BUFFER\_COUNT

I/O .

	Value
	1
	$2^{32} - 1$
	16