

z/OS DFSMS Access Method Services Commands

SC23-6846-02

At Appendix F. Interpreting DCOLLECT Output

Table 20. DCOLLECT SMS Volume Information (Record Type 'VL') (change in blue)

Offset	Type	Length	Name	Description
SMS VOLUME DEFINITION (RECORD TYPE 'VL')				
24(X'18')	STRUCTURE	416	DVLDATA	SMS VOLUME DEFINITION (DEFINED ON DCUDATA)
24(X'18')	CHARACTER	32	DVLNMFLD	SPACE FOR NAME AND LENGTH
24(X'18')	SIGNED	2	DVLNMLEN	LENGTH OF NAME -- SHOULD BE 6
26(X'1A')	CHARACTER	6	DVLVSER	VOLUME SERIAL NUMBER
32(X'20')	CHARACTER	24	*	RESERVED FOR CONSISTENCY
56(X'38')	CHARACTER	8	DVLUSER	USERID OF LAST UPDATER
64(X'40')	CHARACTER	10	DVLDATE	DATE OF LAST UPDATE
74(X'4A')	CHARACTER	2	*	RESERVED
76(X'4C')	CHARACTER	8	DVLTIME	TIME OF LAST UPDATE
VOLUME RECORD FLAG INFORMATION				
84(X'54')	CHARACTER	1	DVLFLAGS	FLAGS AND RESERVED
	1... ..		DVLCONV	1 = VOL IS IN CONVERSION
	.111 11..		*	RESERVED
1.		DVLCPAON	1 = Compression Exit Alert ON
1		*	RESERVED
85(X'55')	BITSTRING	1	DVLFLGDC	DCOLLECT FLAGS
	1... ..		DVL32NAM	0 = Use DVLNSTAT, DVLCSMSS, 1 = USE DVLSTAT FLAG BIT ONLY; DOES NOT INDICATE NUMBER OF SYSTEMS.
	.111 1111		*	RESERVED
86(X'56')	CHARACTER	2	*	RESERVED
STORAGE GROUP ASSOCIATION AND STATUS INFORMATION				
88(X'58')	CHARACTER	32	DVLSG	LENGTH AND NAME OF STORGRP
88(X'58')	SIGNED	2	DVLSGLEN	LENGTH OF STORGRP NAME
90(X'5A')	CHARACTER	30	DVLSTGRP	STORAGE GROUP OF THIS VOLUME
120(X'78')	CHARACTER	2	DVLNSTAT(8)	STATUS BY SYSTEM (8 SYSTEMS)
120(X'78')	UNSIGNED	1	DVLMSMS	SMS STATUS

121 (X'79')	UNSIGNED	1	DVLMVSS	MVS STATUS
136 (X'88')	UNSIGNED	1	DVLCSMSS (8)	CONFIRMED SMS STATUS FOR VOLUME (8 SYSTEMS)

VOLUME ATTRIBUTES

144 (X'90')	ADDRESS	4	DVLNUCBA	ADDRESS OF UCB IF KNOWN - OR 0
148 (X'94')	UNSIGNED	4	DVLNTPCY	TOTAL CAPACITY IN MB
152 (X'98')	UNSIGNED	4	DVLNFREE	AMOUNT FREE SPACE IN MB
156 (X'9C')	UNSIGNED	4	DVLNLEXT	LARGEST FREE EXTENT IN MB
160 (X'A0')	SIGNED	2	DVLNOCNT	VOLUME LEVEL RESET COUNT
162 (X'A2')	UNSIGNED	2	DVLTRKSZ	VOLUME R1 TRACK CAPACITY
164 (X'A4')	SIGNED	4	DVLNLEVL	UPDATE LEVEL FOR VOLUME
168 (X'A8')	CHARACTER	8	DVLSSTAT (32)	STATUS BY PROCESSOR, CAN HAVE UP TO 32 SYSTEMS STATUS ENTRIES
168 (X'A8')	UNSIGNED	1	DVLSTSMS	SMS SYSTEM STATUS
169 (X'A9')	UNSIGNED	1	DVLSTMVS	MVS SYSTEM STATUS
170 (X'AA')	UNSIGNED	1	*	RESERVED
171 (X'AB')	UNSIGNED	1	DVLSRSMS	SOURCE OF SMS STATUS,
				Valid only for ACTIVE configuration
				= 0 STATUS FROM CDS
				= 1 MVS SETSMS COMMAND
				= 2 VTOC % USAGE ALERT
				= 3 STATUS ALERT RELIEF
172 (X'AC')	CHARACTER	4	*	RESERVED
424 (X'1A8')	UNSIGNED	4	DVLTRKCP	TOTAL CAPACITY OF THE TRACK-MANAGED SPACE ON THE VOLUME IN MB
428 (X'1AC')	UNSIGNED	4	DVLTRKFR	TOTAL FREE SPACE IN THE TRACK-MANAGED SPACE ON THE VOLUME IN MB
432 (X'1B0')	UNSIGNED	4	DVLTRKEX	LARGEST FREE SPACE IN THE TRACK-MANAGED SPACE ON THE VOLUME IN MB
436 (X'1B4')	CHARACTER	2	*	RESERVED
438 (X'1B5')	UNSIGNED	1	DVLPVTOC	% USED VTOC RECORDS
439 (X'1B6')	UNSIGNED	1	DVLPIDX	% USED VTOC INDEX RECORDS
440 (X'1B8')	CHARACTER	4	*	RESERVED
444 (X'1BC')	CHARACTER		DVLDATAE	ROUND TO DWORD BOUNDARY