


```

LL      DDDDDDDD  EEEEEEEEE  LL      EEEEEEEEE  TTTTTTTTT  EEEEEEEEE
LL      DDDDDDDD  EEEEEEEEE  LL      EEEEEEEEE  TTTTTTTTT  EEEEEEEEE
LL      DD        DD      EE          LL      EE          TT          EE
LL      DD        DD      EE          LL      EE          TT          EE
LL      DD        DD      EE          LL      EE          TT          EE
LL      DD        DD      EE          LL      EE          TT          EE
LL      DD        DD      EE          LL      EE          TT          EE
LL      DD        DD      EE          LL      EE          TT          EE
LL      DD        DD      EE          LL      EE          TT          EE
LL      DD        DD      EE          LL      EE          TT          EE
LL      DD        DD      EE          LL      EE          TT          EE
LLLLLLLL  DDDDDDDD  EEEEEEEEE  LLLLLLLL  EEEEEEEEE  TT          EE
LLLLLLLL  DDDDDDDD  EEEEEEEEE  LLLLLLLL  EEEEEEEEE  TT          EE

```

```

LL      IIIIII   SSSSSSS
LL      IIIIII   SSSSSSS
LL      II       SS
LL      II       SS
LL      II       SS
LL      II       SS
LL      II       SSSSSS
LL      II       SSSSSS
LL      II       SS
LL      II       SS
LL      II       SS
LL      II       SS
LLLLLLLL  IIIIII   SSSSSSS
LLLLLLLL  IIIIII   SSSSSSS

```

.....

```

1 0001 0 XTITLE 'EDT$LDELETE - delete lines'
2 0002 0 MODULE EDT$LDELETE ( . Delete Lines
3 0003 0 IDENT = 'V04-000' ! File: LDELETE.BLI Edit: JBS1013
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
10 0010 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
11 0011 1 * ALL RIGHTS RESERVED. *
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13 0013 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
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16 0016 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
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20 0020 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
21 0021 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
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25 0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: EDT -- The DEC Standard Editor
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 This module executes the line mode DELETE command.
37 0037 1 It also provides the delete part of the REPLACE command.
38 0038 1
39 0039 1 ENVIRONMENT: Runs at any access mode - AST reentrant
40 0040 1
41 0041 1 AUTHOR: Bob Kushlis, CREATION DATE: February 3, 1978
42 0042 1
43 0043 1 MODIFIED BY:
44 0044 1
45 0045 1 1-001 - Original. DJS 30-JAN-81. This module was created by
46 0046 1 extracting the routines DELETE and DEL_COM from EXEC.BLI.
47 0047 1 1-002 - Regularize headers. JBS 19-Mar-1981
48 0048 1 1-003 - Change DEL_COM to EDT$$DEL_CMD. JBS 30-Mar-1981
49 0049 1 1-004 - Change count to 48-bits. SMB 05-Feb-1982
50 0050 1 1-005 - Stop processing on bad select range. SMB 01-Jul-1982
51 0051 1 1-006 - Use EDT$$FMT_CRLF instead of EDT$$OUT_FMTBUF. JBS 05-Jul-1982
52 0052 1 1-007 - After deleting a line, make sure the character offset is 0.
53 0053 1 Bug reported in SPR 11-47685. JBS 14-Jul-1982
54 0054 1 1-008 - Suppress typing out the current line in EXT mode. JBS 15-Jul-1982
55 0055 1 1-009 - New screen update logic. JBS 13-Sep-1982
56 0056 1 1-010 - Modify to use new 48 bit arith macros. STS 01-Oct-1982
57 0057 1 1-011 - Put code for ranpos in line. STS 11-Oct-1982

```

EDT\$DELETE
V04-000

EDT\$DELETE - delete lines

G 14
16-Sep-1984 00:48:12
14-Sep-1984 12:23:32

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LDELETE.BLI;1 Page 2 (1)

```

: 58
: 59
: 60
: 61
0058 1 : 1-012 - Modify to use new compare macro, STS 20-Oct-1982
0059 1 : 1-013 - Improve the appearance of the listing file. JBS 14-Jun-1983
0060 1 : --
0061 1
```

EDT\$
V04

.....

```
63 0062 1 %SBTTL 'Declarations'  
64 0063 1  
65 0064 1 : TABLE OF CONTENTS:  
66 0065 1 :  
67 0066 1  
68 0067 1 REQUIRE 'EDTSRC:TRAROUNAM';  
69 0506 1  
70 0507 1 FORWARD ROUTINE  
71 0508 1 EDT$$DEL_LNS,  
72 0509 1 EDT$$DEL_CMD . NOVALUE;  
73 0510 1  
74 0511 1 :  
75 0512 1 : INCLUDE FILES:  
76 0513 1 :  
77 0514 1  
78 0515 1 REQUIRE 'EDTSRC:EDTREQ';  
79 0650 1  
80 0651 1 :  
81 0652 1 : MACROS:  
82 0653 1 :  
83 0654 1 : NONE  
84 0655 1 :  
85 0656 1 : EQUATED SYMBOLS:  
86 0657 1 :  
87 0658 1 : NONE  
88 0659 1 :  
89 0660 1 : OWN STORAGE:  
90 0661 1 :  
91 0662 1 : NONE  
92 0663 1 :  
93 0664 1 : EXTERNAL REFERENCES:  
94 0665 1 :  
95 0666 1 : In the routine
```

```
! Delete a range of lines  
! Process the DELETE command
```

```
0667 1 %SBTTL 'EDT$$DEL_LNS - delete a range of lines'
0668 1
0669 1 GLOBAL ROUTINE EDT$$DEL_LNS          ! Delete a range of lines
0670 1 =
0671 1
0672 1 !++
0673 1 ! FUNCTIONAL DESCRIPTION:
0674 1
0675 1     This routine is used by DELETE and REPLACE to delete a range of lines.
0676 1     We process through the range, checking for /QUERY before deleting each
0677 1     line.  When we are done a message indicating the number of lines
0678 1     deleted is displayed.
0679 1
0680 1 ! FORMAL PARAMETERS:
0681 1
0682 1     NONE
0683 1
0684 1 ! IMPLICIT INPUTS:
0685 1
0686 1     EDT$$A_EXE_CURCMD
0687 1     EDT$$G_EXE_QRYQUIT
0688 1     EDT$$A_CUR_BUF
0689 1
0690 1 ! IMPLICIT OUTPUTS:
0691 1
0692 1     EDT$$G_RNG_FRSTLN
0693 1     EDT$$Z_RNG_ORIGPOS
0694 1
0695 1 ! ROUTINE VALUE:
0696 1
0697 1     1 = at least one line was deleted
0698 1     0 = no lines were deleted
0699 1
0700 1 ! SIDE EFFECTS:
0701 1
0702 1     NONE
0703 1
0704 1 !--
0705 1
0706 2 BEGIN
0707 2
0708 2 EXTERNAL ROUTINE
0709 2     EDT$$FMT_STRCNT : NOVALUE,
0710 2     EDT$$FMT_CRLF,          ! Terminate an output line
0711 2     EDT$$RNG_REPOS,
0712 2     EDT$$FMT_STR,
0713 2     EDT$$PROC_QRYQAL,
0714 2     EDT$$NXT_LNRNG,
0715 2     EDT$$DEL_CURLN,
0716 2     EDT$$RD_NXTLN;
0717 2
0718 2 EXTERNAL
0719 2     EDT$$L_LNO_ZERO : LN_BLOCK,
0720 2     EDT$$L_LNOO : LN_BLOCK,
0721 2     EDT$$A_EXE_CURCMD : REF NODE_BLOCK, ! Pointer to the current command.
0722 2     EDT$$G_RNG_FRSTLN,
0723 2     EDT$$Z_RNG_ORIGPOS : POS_BLOCK,
```

```

: 154 0724 2      EDT$$G_EXE_QRYQUIT,           ! Quit flag for /QUERY operations.
: 155 0725 2      EDT$$A_CUR_BUF : REF POS_BLOCK; ! The current editing position
: 156 0726 2
: 157 0727 2      LOCAL
: 158 0728 2      NUM_DELETED : LN_BLOCK;
: 159 0729 2
: 160 0730 2      MOVELINE (EDT$$L_LNO_ZERO, NUM_DELETED);
: 161 0731 2      !+
: 162 0732 2      ! Position to the first line in the range.
: 163 0733 2      !-
: 164 0734 2      EDT$$G_RNG_FRSTLN = 1;
: 165 0735 2      EDT$$CPY_MEM (POS_SIZE, .EDT$$A_CUR_BUF, EDT$$Z_RNG_ORIGPOS);
: 166 0736 2
: 167 0737 2      IF ( NOT EDT$$RNG_REPOS (.EDT$$A_EXE_CURCMD [RANGE1])) THEN RETURN (0);
: 168 0738 2
: 169 0739 2      !+
: 170 0740 2      ! Loop until the end of the range, or the user typed 'Q' in response to
: 171 0741 2      ! a /QUERY prompt. If we delete a line, make sure the cursor position
: 172 0742 2      ! is at 0 on the new line, so we don't skip the text of the next line
: 173 0743 2      ! if we start a search.
: 174 0744 2      !-
: 175 0745 2
: 176 0746 2      WHILE (EDT$$NXT_LNRNG (1) AND ( NOT .EDT$$G_EXE_QRYQUIT)) DO
: 177 0747 2
: 178 0748 2      IF EDT$$PROC_QRYQAL (0, 0)
: 179 0749 2      THEN
: 180 0750 3      BEGIN
: 181 0751 3      ADDLINE (NUMBER ONE, NUM_DELETED);
: 182 0752 3      EDT$$A_CUR_BUF [POS_CHAR_POS] = 0;
: 183 0753 3      EDT$$DEL_CURLN ();
: 184 0754 3      END
: 185 0755 2      ELSE
: 186 0756 2      EDT$$RD_NXTLN ();
: 187 0757 2
: 188 0758 2      !+
: 189 0759 2      ! Display message about the count.
: 190 0760 2      !-
: 191 0761 2      EDT$$FMT_STRCNT (NUM_DELETED, UPLIT (' line'), 5);
: 192 0762 2      EDT$$FMT_STR (UPLIT (' deleted'), 8);
: 193 0763 2      EDT$$FMT_CRLF ();
: 194 0764 2      RETURN (T - LINNOEQL (NUM_DELETED, EDT$$L_LNO_ZERO));
: 195 0765 1      END;
! of routine EDT$$DEL_LNS

```

.TITLE EDT\$DELETE EDT\$DELETE - delete lines
.IDENT \V04-000\

.PSECT _EDT\$CODE,NOWRT, SHR, PIC,2

00 00 00 65 6E 69 6C 20 00000 P.AAA: .ASCII \ line\<><0><0><0> :
64 65 74 65 6C 65 64 20 00008 P.AAB: .ASCII \ deleted\ :

.EXTRN EDT\$\$FMT_STRCNT
.EXTRN EDT\$\$FMT_CRLF, EDT\$\$RNG_REPOS
.EXTRN EDT\$\$FMT_STR, EDT\$\$PROC_QRYQAL
.EXTRN EDT\$\$NXT_LNRNG, EDT\$\$DEL_CURLN
.EXTRN EDT\$\$RD_NXTLN, EDT\$\$L_LNO_ZERO

EDTSLDELETE
V04-000

EDTSLDELETE - delete lines
EDTSSDEL_LNS - delete a range of lines

K 14
16-Sep-1984 00:48:12
14-Sep-1984 12:23:32

VAX-11 Bliss-32 V4.0-742
DISK\$VMMASTER:[EDT.SRC]LDELETE.BLI;1 (3) Page 6

				00FC	00000	.EXTRN	EDTSSL_LNO0, EDTSSA_EXE_CURCMD				
				57	00000000G	00	9E	00002	.EXTRN	EDTSSG_RNG_FRSTLN	
				56	00000000G	00	9E	00009	.EXTRN	EDTSSZ_RNG_ORIGPOS	
				5E		08	C2	00010	.EXTRN	EDTSSG_EXE_QRYQUIT	
6E				66		06	28	00013	.EXTRN	EDTSSA_CUR_BUF	
	00000000G			00		01	D0	00017			
				50		67	D0	0001E	.ENTRY	EDTSSDEL_LNS, Save R2,R3,R4,R5,R6,R7	0669
00000000G	00			60		0E	28	00021	MOVAB	EDTSSA_CUR_BUF, R7	
			04	50	00000000G	00	D0	00029	MOVAB	EDTSSL_LNO_ZERO, R6	
						A0	DD	00030	SUBL2	#8, SP	
	00000000G			00		01	FB	00033	MOVCM	#6, EDTSSL_LNO_ZERO, NUM_DELETED	0730
				7A		50	E9	0003A	MOVL	#1, EDTSSG_RNG_FRSTLN	0734
						01	DD	0003D	MOVL	EDTSSA_CUR_BUF, RO	0735
	00000000G			00		01	FB	0003F	MOVCM	#14, (RO) EDTSSZ_RNG_ORIGPOS	
				32		50	E9	00046	MOVL	EDTSSA_EXE_CURCMD, RO	0737
				2B	00000000G	00	E8	00049	PUSHL	4(RO)	
						7E	7C	00050	CALLS	#1, EDTSSRNG_REPOS	
	00000000G			00		02	FB	00052	BLBC	RO, 7\$	0746
				16		50	E9	00059	PUSHL	#1	
						6E	D6	0005C	CALLS	#1, EDTSSNXT_LNRNG	
						03	12	0005E	BLBC	RO, 4\$	0748
						AE	B6	00060	BLBS	EDTSSG_EXE_QRYQUIT, 4\$	
			04			50	D0	00063	CLRQ	-(SP)	0751
						67	D0	00063	CALLS	#2, EDTSSPROC_QRYQAL	
						00	B4	00066	BLBC	RO, 3\$	0752
	00000000G			00		00	FB	00069	INCL	FIRST_LWORD	
						CB	11	00070	BNEQ	2\$	
						00	FB	00072	INCW	NEXT_WORD	
	00000000G			00		00	FB	00072	MOVL	EDTSSA_CUR_BUF, RO	0753
						C2	11	00079	CLRQ	12(RO)	
						05	DD	0007B	CALLS	#0, EDTSSDEL_CURLN	0754
						CF	9F	0007D	BRB	1\$	0748
						08	AE	00081	CALLS	#0, EDTSSRD_NXTLN	0756
						03	FB	00084	BRB	1\$	0748
						08	DD	0008B	PUSHL	#5	0761
						CF	9F	0008D	PUSHAB	P.AAA	
	00000000G			00		03	FB	00084	PUSHAB	NUM_DELETED	
						08	DD	0008B	CALLS	#3, EDTSSFMT_STRCNT	
						CF	9F	0008D	PUSHL	#8	0762
						02	FB	00091	PUSHAB	P.AAB	
	00000000G			00		00	FB	00098	CALLS	#2, EDTSSFMT_STR	
	00000000G			00		6E	D1	0009F	CALLS	#0, EDTSSFMT_CRLF	0763
				66		0C	12	000A2	CMPL	LOW_1, LOW_2	0764
						04	A6	04	BNEQ	5\$	
						05	12	000A9	CMPW	HIGH_1, HIGH_2	
						01	D0	000AB	BNEQ	5\$	
						02	11	000AE	MOVL	#1, RO	
						50	D4	000B0	BRB	6\$	
						50	C3	000B2	CLRL	RO	
50				01		50	C3	000B2	SUBL3	RO, #1, RO	
						04	04	000B6	RET		
						50	D4	000B7	CLRL	RO	0765
						04	04	000B9	RET		

; Routine Size: 186 bytes, Routine Base: _EDTSCODE + 0010

EDTSLDELETE
V04-000

EDTSLDELETE - delete lines
EDTSSDEL_LNS - delete a range of lines

: 196

0766 1

L 14
16-Sep-1984 00:48:12
14-Sep-1984 12:23:32

VAX-11 Bliss-32 V4.0-742
DISK\$VMMASTER:[EDT.SRC]LDELETE.BLI;1 Page 7 (3)

ED
VO

.....

```

198 0767 1 %SBTTL 'EDT$$DEL_CMD - DELETE line-mode command'
199 0768 1
200 0769 1 GLOBAL ROUTINE EDT$$DEL_CMD ! DELETE line-mode command
201 0770 1 : NOVALUE =
202 0771 1
203 0772 1 !++
204 0773 1 ! FUNCTIONAL DESCRIPTION:
205 0774 1
206 0775 1 ! Command processing routine for DELETE. All the work is done by the EDT$$DEL_LNS routine.
207 0776 1 ! When it is done, display the current line after the deletions.
208 0777 1
209 0778 1 ! FORMAL PARAMETERS:
210 0779 1
211 0780 1 ! NONE
212 0781 1
213 0782 1 ! IMPLICIT INPUTS:
214 0783 1
215 0784 1 ! EDT$$G_INP_SRC
216 0785 1 ! EDT$$G_EXT_MOD
217 0786 1
218 0787 1 ! IMPLICIT OUTPUTS:
219 0788 1
220 0789 1 ! NONE
221 0790 1
222 0791 1 ! ROUTINE VALUE:
223 0792 1
224 0793 1 ! NONE
225 0794 1
226 0795 1 ! SIDE EFFECTS:
227 0796 1
228 0797 1 ! NONE
229 0798 1
230 0799 1 ! --
231 0800 1
232 0801 2 BEGIN
233 0802 2
234 0803 2 EXTERNAL ROUTINE
235 0804 2 EDT$$TY_CURLN;
236 0805 2
237 0806 2 EXTERNAL
238 0807 2 EDT$$G_INP_SRC,
239 0808 2 EDT$$G_EXT_MOD;
240 0809 2
241 0810 2 EDT$$DEL_LNS ();
242 0811 2
243 0812 2 IF ((.EDT$$G_INP_SRC EQL INP_TERM) AND ( NOT .EDT$$G_EXT_MOD)) THEN EDT$$TY_CURLN ();
244 0813 2
245 0814 1 END; ! of routine EDT$$DEL_CMD

```

```

                                .EXTRN EDT$$TY_CURLN, EDT$$G_INP_SRC
                                .EXTRN EDT$$G_EXT_MOD
                                .ENTRY EDT$$DEL_CMD, Save nothing           : 0769
CALLS #0, EDT$$DEL_LNS           : 0810
TSTL EDT$$G_INP_SRC              : 0812
FF3F CF 00000000G 00 D5 00007
                                0000 0000

```

EDTSLDELETE
V04-000

EDTSLDELETE - delete lines
EDTSSDEL_CMD - DELETE line-mode command

N 14
16-Sep-1984 00:48:12
14-Sep-1984 12:23:32

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LDELETE.BLI;1
Page 9 (4)

ED
VO

00000000G	00	0E 12 0000D	BNEQ	1\$:
07 00000000G	00	EB 0000F	BLBS	EDTSSG_EXT_MOD, 1\$:
00	00	FB 00016	CALLS	#0, EDTSSTY_CURLN	:
		04 0001D 1\$:	RET		: 0814

: Routine Size: 30 bytes, Routine Base: _EDT\$CODE + 00CA

: 246	0815	1	
: 247	0816	1	!<BLF/PAGE>

.....

EDT\$LDELETE
V04-000

EDT\$LDELETE - delete lines
EDT\$\$DEL_CMD - DELETE line-mode command

B 15
16-Sep-1984 00:48:12
14-Sep-1984 12:23:32

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LDELETE.BLI;1

Page 10
(5)

EDT
V04

: 249 0817 1 END
: 250 0818 1
: 251 0819 0 ELUDOM

: of module EDT\$LDELETE

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	232	NOVEC, NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC, ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	68	18	40	00:00.2
_\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LISS:LDELETE/OBJ=OBJ\$:LDELETE MSRCS:LDELETE.BLI/UPDATE=(ENHS:LDELETE)

: Size: 216 code + 16 data bytes
: Run Time: 00:15.0
: Elapsed Time: 00:18.4
: Lines/CPU Min: 3276
: Lexemes/CPU-Min: 11588
: Memory Used: 106 pages
: Compilation Complete

: F
:
:

0135 AH-BT13A-SE
VAX/VMS V4.0

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The image displays a grid of 100 small terminal windows, each showing a different VAX/VMS command or utility. The windows are arranged in a 10x10 grid. The text in the windows is mostly illegible due to low contrast, but several titles are clearly visible and repeated across the grid:

- KEYPADDEF LIS
- LDIVISION LIS
- KEYDEFKEY LIS
- KEYFMTSTR LIS
- LDEFK LIS
- LFILL LIS
- KEYCHR LIS
- KEYIMMNP LIS
- LDELETE LIS
- KEYCOM LIS
- KEYPUTCHR LIS
- LCLEAR LIS
- KEYPAD LIS
- LDEFM LIS
- LRECOUNT LIS
- KEYTRNCHR LIS
- LFLNO LIS