


```

EEEEEEEEEE VV VV LL MM MM AAAAAA IIIIII NN NN
EEEEEEEEEE VV VV LL MM MM AAAAAA IIIIII NN NN
EE VV VV LL MMM MMM AA AA II NN NN
EE VV VV LL MMM MMM AA AA II NN NN
EE VV VV LL MM MM AA AA II NNNN NN
EEEEEEEE VV VV LL MM MM AA AA II NNNN NN
EEEEEEEE VV VV LL MM MM AA AA II NN NN
EE VV VV LL MM MM AAAAAAAAAA II NN NNNN
EE VV VV LL MM MM AAAAAAAAAA II NN NNNN
EE VV VV LL MM MM AA AA II NN NN
EE VV VV LL MM MM AA AA II NN NN
EEEEEEEEEE VV VV LLLLLLLLLL MM MM AA AA IIIIII NN NN
EEEEEEEEEE VV VV LLLLLLLLLL MM MM AA AA IIIIII NN NN

```

```

LL IIIIII SSSSSSSS
LL IIIIII SSSSSSSS
LL II SS
LL II SS
LL II SS
LL II SSSSSS
LL II SSSSSS
LL II SS
LL II SS
LL II SS
LLLLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLLLL IIIIII SSSSSSSS

```



```

1 0001 0 %TITLE 'DECnet Event Logger Main Module'
2 0002 0 MODULE EVLMAIN (
3 0003 0     LANGUAGE (BLISS32),
4 0004 0     IDENT = 'V04-000',
5 0005 0     MAIN = EVLSMAIN
6 0006 0 ) =
7 0007 1 BEGIN
8 0008 1
9 0009 1
10 0010 1 *****
11 0011 1 *
12 0012 1 *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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16 0016 1 *  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
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29 0029 1 *
30 0030 1 *
31 0031 1 *****
32 0032 1
33 0033 1
34 0034 1 ++
35 0035 1 FACILITY:      DECnet Event Logging (EVL)
36 0036 1
37 0037 1 ABSTRACT:
38 0038 1
39 0039 1     This module contains the main entry for the event logger.
40 0040 1     A few routines of general utility are in the module too.
41 0041 1
42 0042 1 ENVIRONMENT:    VAX/VMS Operating System
43 0043 1
44 0044 1 AUTHOR:        Darrell Duffy , CREATION DATE: 16-June-1980
45 0045 1
46 0046 1 MODIFIED BY:
47 0047 1
48 0048 1     V001      TMH0001      Tim Halvorsen 25-Jun-1981
49 0049 1     Purge working set to minimum before hibernating,
50 0050 1     to limit system physical memory usage while not
51 0051 1     doing anything.
52 0052 1     Change references to ASCID macro to use %ASCID.
53 0053 1 --

```

```

: 55      0054 1 %SBTTL 'Definitions'
: 56      0055 1
: 57      0056 1
: 58      0057 1 || TABLE OF CONTENTS:
: 59      0058 1 ||
: 60      0059 1
: 61      0060 1 FORWARD ROUTINE
: 62      0061 1     EVLSMAIN           : Main entry
: 63      0062 1     EVLSINITLOG       : NOVALUE,   : Initialize for debug logging
: 64      0063 1     EVLSPRINTLOG      : NOVALUE   : Print data messages to log file
: 65      0064 1     ;
: 66      0065 1
: 67      0066 1
: 68      0067 1 || INCLUDE FILES:
: 69      0068 1 ||
: 70      0069 1
: 71      0070 1 LIBRARY 'LIBS:EVLIBRARY':      ! EVL definitions
: 72      0071 1 LIBRARY 'SYSS$LIBRARY:STARLET': ! VMS common definitions
: 73      0072 1
: 74      0073 1
: 75      0074 1 || OWN STORAGE:
: 76      0075 1 ||
: 77      0076 1
: 78      0077 1 GLOBAL
: 79      0078 1     EVL$GL_LOGMASK : BBLOCK [8]      ! Logging control mask
: 80      0079 1     ;
: 81      0080 1
: 82      0081 1
: 83      0082 1 || EXTERNAL REFERENCES:
: 84      0083 1 ||
: 85      0084 1
: 86      0085 1 EXTERNAL
: 87      0086 1     EVL$GW_NETSHOCHAN : WORD,      ! Channel to net for show
: 88      0087 1     EVL$B_RCVDONE    : BYTE,      ! True if receive inactive
: 89      0088 1     EVL$GB_TRANSDONE : BYTE;      ! True if transmitter inactive
: 90      0089 1
: 91      0090 1 EXTERNAL ROUTINE
: 92      0091 1     EVL$RECEIVE      : NOVALUE,   ! Activate the receiver
: 93      0092 1     EVL$TRANSMIT    : NOVALUE,   ! Activate the transmitter
: 94      0093 1     WKQ$DO_WORK_ITEM : NOVALUE,   ! Perform a work item in queue
: 95      0094 1     EVL$OBTAINNETCHAN : NOVALUE    ! Obtain a channel to net
: 96      0095 1     ;
: 97      0096 1
: 98      0097 1 EXTERNAL ROUTINE
: 99      0098 1
: 100     0099 1     LIB$PUT_OUTPUT   : ADDRESSING_MODE (GENERAL),
: 101     0100 1     LIB$CVT_HTB     : ADDRESSING_MODE (GENERAL)
: 102     0101 1     ;
: 103     0102 1

```

```

: 105      0103 1 XSBTTL 'EVL$MAIN Main Entry'
: 106      0104 1 GLOBAL ROUTINE EVL$MAIN =
: 107      0105 1
: 108      0106 1
: 109      0107 1 ++
: 110      0108 1 FUNCTIONAL DESCRIPTION:
: 111      0109 1         This is the main entry point for the event logger.
: 112      0110 1         It calls the initialization routines
: 113      0111 1         and sits in a loop performing work from the work queue.
: 114      0112 1
: 115      0113 1 FORMAL PARAMETERS:
: 116      0114 1
: 117      0115 1         NONE
: 118      0116 1
: 119      0117 1 IMPLICIT INPUTS:
: 120      0118 1
: 121      0119 1         NONE
: 122      0120 1
: 123      0121 1 IMPLICIT OUTPUTS:
: 124      0122 1
: 125      0123 1         NONE
: 126      0124 1
: 127      0125 1 ROUTINE VALUE:
: 128      0126 1 COMPLETION CODES:
: 129      0127 1
: 130      0128 1         NONE
: 131      0129 1
: 132      0130 1 SIDE EFFECTS:
: 133      0131 1
: 134      0132 1         NONE
: 135      0133 1
: 136      0134 1 --
: 137      0135 1
: 138      0136 2 BEGIN
: 139      0137 2
: 140      0138 2 EVL$INITLOG (); ! Initialize for debug logging
: 141      0139 2 EVL$OBTAINNETCHAN (EVL$GW_NETSHOCHAN); ! Obtain a channel to net
: 142      0140 2 EVL$RECEIVE (); ! Initialize receiver portion
: 143      0141 2 EVL$TRANSMIT (); ! Initialize transmitter portion
: 144      0142 2
: 145      0143 2 WHILE NOT (.EVL$B_RCVDONE AND .EVL$B_TRANSDONE) ! Until both sides finish,
: 146      0144 2 DO
: 147      0145 2 BEGIN
: 148      0146 2 $PURGWS(INADR=PLIT(0,XX'7FFFFFFF')); ! Purge entire working set
: 149      0147 2 $HIBER; ! Wait on some work to do
: 150      0148 2 WHILE WKQ$DO_WORK_ITEM () DO; ! Do work til empty queue
: 151      0149 2 END;
: 152      0150 2
: 153      0151 2 RETURN TRUE; ! Exit suces fully
: 154      0152 1 END;

```

```

.TITLE EVLMAIN DECnet Event Logger Main Module
.IDENT \V04-000\
.PSECT SPLITS,NOWRT,NOEXE,2

```

7FFFFFFF 00000002 00000
00000000 00004 P.AAA: .LONG 2
.LONG 0, 2147483647
.PSECT \$GLOBALS,NOEXE,2

00000 EVL\$GL_LOGMASK:
.BLKB 8

.EXTRN EVL\$GW NETSHOCHAN
.EXTRN EVL\$B RCVDONE, EVL\$GB TRANSDONE
.EXTRN EVL\$RECEIVE, EVL\$TRANSMIT
.EXTRN WKQ\$DO WORK_ITEM
.EXTRN EVL\$OBTAINNETCHAN
.EXTRN LIB\$PUT OUTPUT, LIB\$CVT_HTB
.EXTRN SYSS\$PURGWS, SYSS\$HIBER

.PSECT \$CODES,NOWRT,2

0000V	CF		0000	00000	.ENTRY	EVL\$MAIN, Save nothing	:	0104
			00	FB 00002	CALLS	#0, EVL\$INITLOG	:	0138
		0000G	CF	9F 00007	PUSHAB	EVL\$GW NETSHOCHAN	:	0139
0000G	CF		01	FB 0000B	CALLS	#1, EVL\$OBTAINNETCHAN	:	
0000G	CF		00	FB 00010	CALLS	#0, EVL\$RECEIVE	:	0140
0000G	CF		00	FB 00015	CALLS	#0, EVL\$TRANSMIT	:	0141
	05	0000G	CF	E9 0001A	1\$:	BLBC	:	0143
	1C	0000G	CF	E8 0001F	2\$:	BLBS	:	
		0000'	CF	9F 00024	3\$:	PUSHAB	:	0146
00000000G	00		01	FB 00028	CALLS	#1, SYSS\$PURGWS	:	
00000000G	00		00	FB 0002F	CALLS	#0, SYSS\$HIBER	:	
0000G	CF		00	FB 00036	3\$:	CALLS	:	0148
	DC		50	E9 0003B	BLBC	R0, 1\$:	
			F6	11 0003E	BRB	3\$:	
	50		01	D0 00040	4\$:	MOVL	:	0151
			04	00043	RET	#1, R0	:	0152

; Routine Size: 68 bytes, Routine Base: \$CODES + 0000

```

: 156 0153 1 %SBTTL 'EVLSINITLOG Initialization debug logging'
: 157 0154 1 ROUTINE EVLSINITLOG : NOVALUE =
: 158 0155 1
: 159 0156 1
: 160 0157 1 **
: 161 0158 1 FUNCTIONAL DESCRIPTION:
: 162 0159 1 This routine initializes the internal logging flags for EVL debugging.
: 163 0160 1 The logical name EVLSLOG is translated to obtain a hex number which is
: 164 0161 1 converted to binary. Each bit of the mask controls information to
: 165 0162 1 be logged.
: 166 0163 1
: 167 0164 1 FORMAL PARAMETERS:
: 168 0165 1
: 169 0166 1 NONE
: 170 0167 1
: 171 0168 1 IMPLICIT INPUTS:
: 172 0169 1
: 173 0170 1 EVLSLOG logical name
: 174 0171 1
: 175 0172 1 IMPLICIT OUTPUTS:
: 176 0173 1
: 177 0174 1 EVLSGL_LOGMASK
: 178 0175 1
: 179 0176 1 ROUTINE VALUE:
: 180 0177 1 COMPLETION CODES:
: 181 0178 1
: 182 0179 1 NONE
: 183 0180 1
: 184 0181 1 SIDE EFFECTS:
: 185 0182 1
: 186 0183 1 NONE
: 187 0184 1
: 188 0185 1 --
: 189 0186 1
: 190 0187 2 BEGIN
: 191 0188 2
: 192 0189 2 LITERAL
: 193 0190 2 RSLSIZE = 10 ! Size of the result buffer
: 194 0191 2 ;
: 195 0192 2
: 196 0193 2 LOCAL
: 197 0194 2 RSLBFR : VECTOR [RSLSIZE, BYTE], ! Buffer for the translation
: 198 0195 2 RSLDSC : VECTOR [2] ! Descriptor for the buffer
: 199 0196 2 ;
: 200 0197 2
: 201 0198 2 EVLSGL_LOGMASK = 0; ! Initialize the logging mask
: 202 0199 2 RSLDSC [0] = RSLSIZE; ! Setup the descriptor
: 203 0200 2 RSLDSC [1] = RSLBFR;
: 204 0201 2
: 205 0202 2 IF ! We must get a translation
: 206 0203 2 (
: 207 P 0204 2 $TRNLOG ! Translate the name once
: 208 P 0205 2 (
: 209 P 0206 2 LOGNAM = %ASCID 'EVLSLOG', ! This is the logical name
: 210 P 0207 2 RSLLEN = RSLDSC [0], ! Place the length here
: 211 P 0208 2 RSLBUF = RSLDSC ! Place the translation here
: 212 0209 2 )

```

```

: 213      0210      3      )
: 214      0211      3      EQL
: 215      0212      3      SSS_NORMAL
: 216      0213      3      THEN
: 217      0214      3      LIB$CVT_HTB
: 218      0215      3      (
: 219      0216      3      .RSLDSC [0],
: 220      0217      3      .RSLDSC [1],
: 221      0218      3      EVL$GL_LOGMASK
: 222      0219      3      )
: 223      0220      3      :
: 224      0221      3      :
: 225      0222      1      END;

```

```

: If a successful translation
: Then convert the result
: Convert hex to binary

: Size of string
: Address of string
: Address of longword result

```

```

.PSECT $SPLITS,NOWRT,NOEXE,2
00 47 4F 4C 24 4C 56 45 0000C P.AAC: .ASCII \EVL$LOG\<0>
010E0007 00014 P.AAB: .LONG 17694727
00000000' 00018 .ADDRESS P.AAC
.PSECT $CODE$,NOWRT,2
0000 0000 EVL$INITLOG:
SE 10 C2 00002 .WORD Save nothing 0154
0000' CF D4 00005 .SUBL2 #16, SP
0A DD 00009 .CLRL EVL$GL_LOGMASK 0198
04 AE 08 AE 9E 0000B .PUSHL #10 0199
7E 7C 00010 .MOVAB RSLBFR, RSLDSC+4 0200
7E D4 00012 .CLRQ -(SP) 0209
0C AE 9F 00014 .CLRL -(SP)
10 AE 9F 00017 .PUSHAB RSLDSC
0000' CF 9F 0001A .PUSHAB RSLDSC
06 FB 0001E .PUSHAB P.AAB
50 D1 00025 .CALLS #6, SYS$TRNLOG
11 12 00028 .CMPL R0, #1 0211
0000' CF 9F 0002A .BNEQ 1$
08 AE DD 0002E .PUSHAB EVL$GL_LOGMASK 0215
08 AE DD 00031 .PUSHL RSLDSC+4 0217
0000000G 00 03 FB 00034 .PUSHL RSLDSC 0216
04 0003B 1$: .CALLS #3, LIB$CVT_HTB
RET 0222

```

: Routine Size: 60 bytes, Routine Base: \$CODE\$ + 0044


```

227 0223 1 %SBTTL 'EVL$PRINTLOG Print a Data Message to the Log'
228 0224 1 GLOBAL ROUTINE EVL$PRINTLOG (LOGBIT, HEADDSC, EXTRADSC, DATADSC) : NOVALUE =
229 0225 1
230 0226 1
231 0227 1 ++
232 0228 1 FUNCTIONAL DESCRIPTION:
233 0229 1
234 0230 1 Check the logging control mask and if the corresponding bit is set
235 0231 1 then print the special message to the log file. The message
236 0232 1 has a header and optionally some extra text which explains the
237 0233 1 logged message.
238 0234 1
239 0235 1 FORMAL PARAMETERS:
240 0236 1
241 0237 1 LOGBIT Value of the logging bit to control the logging
242 0238 1 as a bit number
243 0239 1 HEADDSC Address of a descriptor of the header text
244 0240 1 EXTRADSC Address of a descriptor of the extra text (optional)
245 0241 1 DATADSC Address of a descriptor of the data to be converted
246 0242 1 and printed
247 0243 1
248 0244 1 IMPLICIT INPUTS:
249 0245 1 EVL$GL_LOGCONTROL
250 0246 1
251 0247 1 IMPLICIT OUTPUTS:
252 0248 1
253 0249 1 NONE
254 0250 1
255 0251 1 ROUTINE VALUE:
256 0252 1 COMPLETION CODES:
257 0253 1
258 0254 1 NONE
259 0255 1
260 0256 1 SIDE EFFECTS:
261 0257 1
262 0258 1 NONE
263 0259 1
264 0260 1 --
265 0261 1
266 0262 1 BEGIN
267 0263 1
268 0264 1 MAP
269 0265 1 HEADDSC : REF BBLOCK,
270 0266 1 EXTRADSC : REF BBLOCK,
271 0267 1 DATADSC : REF BBLOCK
272 0268 1 :
273 0269 1
274 0270 1 LITERAL
275 0271 1 FAOSIZ = 256 ! The print buffer
276 0272 1 :
277 0273 1
278 0274 1 LOCAL
279 0275 1 FAOBUF : VECTOR [FAOSIZ, BYTE], ! Print buffer
280 0276 1 FAOLST : VECTOR [100], ! List of args to $FAOL
281 0277 1 OUTDSC : VECTOR [2], ! Descriptor of the output line
282 0278 1 BYTES, ! Counter for bytes written
283 0279 1 CTR : SIGNED, ! A random counter

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0335
0336

```

PTR,                                ! A random pointer
ITR_CNT                             ! Temporary iteration count
:
:
See if this text should be logged, and if not then return

IF NOT .EVLSGL_LOGMASK [0, .LOGBIT, 1, 0]
THEN
RETURN
:
OUTDSC [0] = FAOSIZ;                ! Initialize the output buffer dsc
OUTDSC [1] = FAOBUF;
FAOLST [0] = .HEADSC;              ! Header text
FAOLST [1] = .DATADSC [DSCSW_LENGTH]; ! Data length
FAOLST [2] =                      ! Extra text dsc
(
IF .EXTRADSC EQL 0
THEN
XASCID ''
ELSE
.EXTRADSC
);
$FAOL                                ! Write the header out
(
CTRSTR = XASCID '!' / !AS (length = !UL bytes)! / !AS! / ',
OUTLEN = OUTDSC [0],
OUTBUF = OUTDSC,
PRMLST = FAOLST
);
LIB$PUT_OUTPUT (OUTDSC);

CTR = .DATADSC [DSCSW_LENGTH];      ! Size of message
PTR = .DATADSC [DSCSA_POINTER];    ! Its address
WHILE .CTR GTR 0                    ! Process it all
DO
BEGIN
OUTDSC [0] = FAOSIZ;                ! Set a descriptor
OUTDSC [1] = FAOBUF;
ITR_CNT = MIN (.CTR, 20);          ! Get byte count
FAOLST [0] = .ITR_CNT;             ! Add count parameter
FAOLST [.ITR_CNT+1] = .ITR_CNT;
FAOLST [(.ITR_CNT+1)*2] = .ITR_CNT;
INCRU IDX FROM 1 TO .ITR_CNT      ! A few bytes at a time
DO
BEGIN
FAOLST [.IDX] = (.PTR) <0, 8, 0>; ! One for the hex
FAOLST [.IDX + .ITR_CNT+1] = (.PTR) <0, 8, 0>; ! Decimal
FAOLST [2*(.IDX + .ITR_CNT)+1] = 1; ! One for character
FAOLST [2*(.IDX + .ITR_CNT)+1 + 1] = .PTR;
PTR = .PTR + 1;                    ! Next one
CTR = .CTR - 1;                    ! One less
END
:

```

P
P
P
P
P
P

341
342
343
344
345
346
347
348
349
350
351

P 0337
P 0338
P 0339
P 0340
P 0341
P 0342
P 0343
P 0344
P 0345
P 0346
P 0347

```
SFAOL ! Saviour of bored programmers
(
  CTRSTR = %ASCID '!(4XB)!/!(4UB)!/ !(4AF)!/' ,
  OUTLEN = OUTDSC [0],
  OUTBUF = OUTDSC,
  PRMLST = FAOLST
);
LIB$PUT_OUTPUT (OUTDSC); ! Write to SYSS$OUTPUT
END;
```

END;

```
.PSECT $SPLITS,NOWRT,NOEXE,2
0001C P.AAE: .BLKB 0
0001C P.AAD: .LONG 17694720
00020 P.AAG: .ADDRESS P.AAE
00024 P.AAG: .ASCII \!/ !AS (length = !UL bytes)!/ !AS!/-
00033 \<0>
00042
00048 .ASCII <0>
0004C P.AAF: .LONG 17694758
00050 P.AAI: .ADDRESS P.AAG
00054 P.AAI: .ASCII \!(4XB)!/!(4UB)!/ !(4AF)!/\<0><0>
00063
00072
00074 P.AAH: .LONG 17694750
00078 .ADDRESS P.AAI

.EXTRN SYSS$FAOL

.PSECT $CODE$,NOWRT,2
.ENTRY EVL$PRINTLOG, Save R2,R3,R4,R5,R6,R7 : 0224
MOVAB LIB$PUT_OUTPUT, R7
MOVAB SYSS$FAOL, R6
MOVAB -664(SP), SP
BBS LOGBIT, EVL$GL_LOGMASK, 1$ : 0288
RET
MOVZWL #256, OUTDSC : 0293
MOVAB FAOBUF, OUTDSC+4 : 0294
MOVL HEADDSC, FAOLST : 0295
MOVL DATADSC, R2 : 0296
MOVZWL (R2), FAOLST+4
TSTL EXTRADSC : 0299
BNEQ 2$
MOVAB P.AAD, R0 : 0300
BRB 3$
MOVL EXTRADSC, R0 : 0303
MOVL R0, FAOLST+8 : 0298
PUSHAB FAOLST : 0311
PUSHAB OUTDSC
PUSHAB OUTDSC
PUSHAB P.AAF
CALLS #4, SYSS$FAOL
```

: R

			5E DD 00059	PUSHL SP		0312
	67		01 FB 0005B	CALLS #1, LIB\$PUT_OUTPUT		
	53		62 3C 0005E	MOVZWL (R2), CTR		0314
	55	04	A2 D0 00061	MOVL 4(R2), PTR		0315
			53 D5 00065	TSTL CTR		0316
			72 15 00067	BLEQ 8\$		
	6E	0100	8F 3C 00069	MOVZWL #256, OUTDSC		0319
04	AE	FF00	CD 9E 0006E	MOVAB FAOBUF, OUTDSC+4		0320
	50		53 D0 00074	MOVL CTR, R0		0321
	14		50 D1 00077	CMPL R0, #20		
			03 15 0007A	BLEQ 5\$		
	50		14 D0 0007C	MOVL #20, R0		
	52		50 D0 0007F	MOVL R0, ITR_CNT		
08	AE		52 D0 00082	MOVL ITR_CNT, FAOLST		0322
0C	AE42		52 D0 00086	MOVL ITR_CNT, FAOLST+4[ITR_CNT]		0323
50	52		01 78 0008B	ASHL #1, ITR_CNT, R0		0324
10	AE40		52 D0 0008F	MOVL ITR_CNT, FAOLST+8[R0]		
	51		01 D0 00094	MOVL #1, -IDX		0325
			26 11 00097	BRB 7\$		
08	AE41		65 9A 00099	MOVZBL (PTR), FAOLST[IDX]		0328
50	51		52 C1 0009E	ADDL3 ITR_CNT, IDX, R0		0329
0C	AE40		65 9A 000A2	MOVZBL (PTR), FAOLST+4[R0]		
	54		8142 9E 0C0A7	MOVAB (IDX)+[ITR_CNT], R4		0330
50	54		01 78 000AB	ASHL #1, R4, R0		
0C	AE40		01 D0 000AF	MOVL #1, FAOLST+4[R0]		
50	54		01 78 000B4	ASHL #1, R4, R0		0331
10	AE40		85 9E 000B8	MOVAB (PTR)+, FAOLST+8[R0]		
			53 D7 000BD	DECL CTR		0333
	52		51 D1 000BF	CMPL IDX, ITR_CNT		0325
			D5 1B 000C2	BLEQU 6\$		
		08	AE 9F 000C4	PUSHAB FAOLST		0343
		04	AE 9F 000C7	PUSHAB OUTDSC		
		08	AE 9F 000CA	PUSHAB OUTDSC		
		0000	CF 9F 000CD	PUSHAB P.AAH		
	66		04 FB 000D1	CALLS #4, SYSS\$FAOL		
			5E DD 000D4	PUSHL SP		0345
	67		01 FB 000D6	CALLS #1, LIB\$PUT_OUTPUT		
			8A 11 000D9	BRB 4\$		0316
			04 000DB	RET		0347

; Routine Size: 220 bytes, Routine Base: \$CODE\$ + 0080

EVLMAIN
V04-000

DECnet Event Logger Main Module
EVL\$PRINTLOG Print a Data Message to the Log

K 7
16-Sep-1984 01:35:04
14-Sep-1984 12:28:48

VAX-11 Bliss-32 V4.0-742
DISK\$VM\$MASTER:[EVL.SRC]EVLMAIN.B32;1 Page 11 (6)

: 353 0348 1 END !End of module
: 354 0349 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
\$GLOBALS	8	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$SPLITS	124	NOVEC, NOWRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODES	348	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[EVL.OBJ]EVL\$LIBRARY.L32;1	191	2	1	14	00:00.1
\$255\$DUA28:[SYS\$LIB]STARLET.L32;1	9776	9	0	581	00:01.3

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:EVLMAIN/OBJ=OBJ\$:EVLMAIN MSRC\$:EVLMAIN/UPDATE=(ENHS:EVLMAIN)

: Size: 348 code + 132 data bytes
: Run Time: 00:08.7
: Elapsed Time: 00:20.2
: Lines/CPU Min: 2398
: Lexemes/CPU-Min: 18522
: Memory Used: 86 pages
: Compilation Complete

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The image displays a grid of 140 terminal window screenshots, arranged in 10 rows and 14 columns. Each window shows a different system utility or error message. The visible titles and content include:

- EVJULIAN LIS**: Julian day conversion utility.
- EVDEF LIS**: Definition utility.
- ERRMSG LIS**: Error message utility.
- EVLIBRARY LIS**: Library management utility.
- EVLTRANS LIS**: Translation utility.
- EVLSHOW LIS**: Show utility.
- EVLMAIN LIS**: Main utility.
- RECEIVER LIS**: Receiver utility.

Other windows show various system prompts, command-line interfaces, and data listings. The text is rendered in a monospaced font typical of early computer terminals.