


```

1 0001 0 MODULE LBR_DATA ( ! Library access procedure data base
2 0002 0 LANGUAGE (BLISS32),
3 0003 0 IDENT = 'V04-000',
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1
8 0008 1
9 0009 1
10 0010 1 *
11 0011 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1 **
32 0032 1
33 0033 1 FACILITY: Library access procedures
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1
37 0037 1 The VAX/VMS librarian procedures implement a standard access method
38 0038 1 to libraries through a shared, common procedure set.
39 0039 1
40 0040 1 ENVIRONMENT:
41 0041 1
42 0042 1 VAX native, user mode.
43 0043 1
44 0044 1 --
45 0045 1
46 0046 1
47 0047 1 AUTHOR: Benn Schreiber, CREATION DATE: 11-June-1979
48 0048 1
49 0049 1 MODIFIED BY:
50 0050 1
51 0051 1 V03-002 GJA0090 Greg Awdziewicz 24-Jul-1984
52 0052 1 - Change librarian version id to V04-00.
53 0053 1
54 0054 1 V03-001 JWT0114 Jim Teague 18-Apr-1983
55 0055 1 Add globals for dcx address tables. Needed in order
56 0056 1 to dynamically activate DCXSHR.
57 0057 1

```

LBR_DATA
V04=000

:	58	0058	1	!--
:	59	0059	1	
:	60	0060	1	

E 14
16-Sep-1984 01:47:41
14-Sep-1984 12:37:37

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER.[LBR.SRC]DATA.B32;1

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LB
V0

.....

```

62 0061 1 LIBRARY
63 0062 1 'SYSS$LIBRARY:STARLET.L32';
64 0063 1 REQUIRE
65 0064 1 'PREFIX';
66 0203 1 REQUIRE
67 0204 1 'LBRDEF';
68 0795 1
69 0796 1 Librarian global data
70 0797 1
71 0798 1 GLOBAL
72 0799 1
73 0800 1 Do not change the order of the following data. Any new data must be
74 0801 1 inserted at the end.
75 0802 1
76 0803 1 lbr$gl_control : REF BBLOCK, !Pointer to current user control table
77 0804 1 lbr$gl_rmsstv, !STV from last RMS error
78 0805 1 lbr$al_ctltab : VECTOR [lbr$cl_maxctl], !Table of pointers to control tables
79 0806 1 lbr$gl_hictl : INITIAL(0), !Highest control index in use
80 0807 1 lbr$gt_eotdesc : VECTOR [4, BYTE] INITIAL
81 0808 1 (XX '77007703'), !End of text record
82 0809 1 lbr$gt_lbrver : countedstring ('VAX-11 Librarian V04-00'),
83 0810 1 lbr$gl_maxread, !Maximum blocks in one RMS read
84 0811 1 lbr$gl_maxidxrd : INITIAL (20), !Maximum blocks in one index read
85 0812 1 dcxshr_address : initial (0); !base address of dcxshr
86 0813 1
87 0814 1
88 0815 1 The following macro generates a table of offsets into the DCXSHR
89 0816 1 transfer vector. Linking LBRSHR with the DCXSHR symbol table,
90 0817 1 one can then call lib$adr_image to dynamically load DCXSHR.
91 0818 1 The base address of DCXSHR is then added to each of these
92 0819 1 DCX transfer vector entries.
93 0820 1
94 M 0821 1 macro dcxsym(a) [=
95 M 0822 1 external literal %name('dcx$',a);
96 M 0823 1 global %name('dcx$',a): initial (%name('dcx$',a) - dcx$analyze_init);
97 0824 1 dcxsym(%remaining);
98 0825 1
99 P 0826 1 dcxsym (analyze_init,analyze_data,analyze_done,
100 P 0827 1 compress_init,compress_data,compress_done,
101 0828 1 expand_init,expand_data,expand_done,make_map);
102 0829 1
103 0830 1
104 0831 1 END ! Of module
105 0832 0 ELUDOM

```

```

.TITLE LBR DATA
.IDENT \V04-000\
.PSECT $GLOBALS,NOEXE,2

```

```

0000 LBR$GL_CONTROL::
      .BLKB 4
0004 LBR$GL_RMSSTV::
      .BLKB 4
0008 LBR$AL_CTLTAB::
      .BLKB 64

```

61 69 72 61 72 62 69

4C 20 31 31 2D 58 41 56
30 30 2D 34 30 56 20 6E

```

00000000 00048 LBR$GL_HICTL::
              .LONG 0
77007703 0004C LBR$GT_EOTDESC::
              .LONG 1996519171
              17 00050 LBR$GT_LBRVER::
              .BYTE 23
00051      .ASCII \VAX-11 Librarian V04-00\
00060
00068 LBR$GL_MAXREAD::
              .BLKB 4
00000014 0006C LBR$GL_MAXIDXRD::
              .LONG 20
00000000 00070 DCX$SHR_ADDRESS::
              .LONG 0
00000000* 00074 DCX_ANALYZE_INIT::
              .LONG <DCX$ANALYZE_INIT-DCX$ANALYZE_INIT>
00000000* 00078 DCX_ANALYZE_DATA::
              .LONG <DCX$ANALYZE_DATA-DCX$ANALYZE_INIT>
00000000* 0007C DCX_ANALYZE_DONE::
              .LONG <DCX$ANALYZE_DONE-DCX$ANALYZE_INIT>
00000000* 00080 DCX_COMPRESS_INIT::
              .LONG <DCX$COMPRESS_INIT-DCX$ANALYZE_INIT>
00000000* 00084 DCX_COMPRESS_DATA::
              .LONG <DCX$COMPRESS_DATA-DCX$ANALYZE_INIT>
00000000* 00088 DCX_COMPRESS_DONE::
              .LONG <DCX$COMPRESS_DONE-DCX$ANALYZE_INIT>
00000000* 0008C DCX_EXPAND_INIT::
              .LONG <DCX$EXPAND_INIT-DCX$ANALYZE_INIT>
00000000* 00090 DCX_EXPAND_DATA::
              .LONG <DCX$EXPAND_DATA-DCX$ANALYZE_INIT>
00000000* 00094 DCX_EXPAND_DONE::
              .LONG <DCX$EXPAND_DONE-DCX$ANALYZE_INIT>
00000000* 00098 DCX_MAKE_MAP::
              .LONG <DCX$MAKE_MAP-DCX$ANALYZE_INIT>

```

```

.EXTRN DCX$ANALYZE_INIT
.EXTRN DCX$ANALYZE_DATA
.EXTRN DCX$ANALYZE_DONE
.EXTRN DCX$COMPRESS_INIT
.EXTRN DCX$COMPRESS_DATA
.EXTRN DCX$COMPRESS_DONE
.EXTRN DCX$EXPAND_INIT
.EXTRN DCX$EXPAND_DATA
.EXTRN DCX$EXPAND_DONE
.EXTRN DCX$MAKE_MAP

```

PSECT SUMMARY

```

:
:
: Name Bytes Attributes
:
: $GLOBAL$ 156 NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPI,ALIGN(2)
:

```

Library Statistics

LBR_DATA
V04=000

H 14
16-Sep-1984 01:47:41
14-Sep-1984 12:37:37

VAX-11 Bliss-32 V4.0-742
DISK\$VMMASTER:[LBR.SRC]DATA.B32;1

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File	----- Symbols -----			Pages Mapped	Processing Time
	Total	Loaded	Percent		
:_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	6	0	581	00:01.0

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:DATA/OBJ=OBJS:DATA MSRCS:DATA/UPDATE=(ENHS:DATA)

: Size: 0 code + 156 data bytes
: Run Time: 00:08.4
: Elapsed Time: 00:19.4
: Lines/CPU Min: 5921
: Lexemes/CPU-Min: 49508
: Memory Used: 91 pages
: Compilation Complete

