



```

TTTTTTTTT1  RRRRRRRR  NN      NN  LL      000000  GGGGGGGG
TTTTTTTTT1  RRRRRRRR  NN      NN  LL      000000  GGGGGGGG
  TT          RR      RR  NN      NN  LL      00      00  GG      GG
  TT          RR      RR  NN      NN  LL      00      00  GG      GG
  TT          RR      RR  NN      NN  LL      00      00  GG      GG
  TT          RR      RR  NNNN     NN  LL      00      00  GG      GG
  TT          RR      RR  NNNN     NN  LL      00      00  GG      GG
  TT          RRRRRRRR  NN      NN  LL      00      00  GG      GG
  TT          RRRRRRRR  NN      NN  LL      00      00  GG      GG
  TT          RR  RR    NN      NN  LL      00      00  GG      GG      GGGGGG
  TT          RR  RR    NN      NN  LL      00      00  GG      GG      GGGGGG
  TT          RR      RR  NN      NN  LL      00      00  GG      GG      GG
  TT          RR      RR  NN      NN  LL      00      00  GG      GG      GG
  TT          RR      RR  NN      NN  LLLLLLLLLL  000000  GGGGGG      GG
  TT          RR      RR  NN      NN  LLLLLLLLLL  000000  GGGGGG      GG
  .....
```

```

LL          I I I I I I  SSSSSSSS
LL          I I I I I I  SSSSSSSS
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
LLLLLLLLLL  I I I I I I  SSSSSSSS
LLLLLLLLLL  I I I I I I  SSSSSSSS
```



```

1 0001 0 MODULE TRNLOG (
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 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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26 0026 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
27 0027 1 *
28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1 ++
32 0032 1
33 0033 1 FACILITY: MOUNT Utility Structure Levels 1 & 2
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1
37 0037 1 This routine performs simple recursive logical name translation.
38 0038 1
39 0039 1 ENVIRONMENT:
40 0040 1
41 0041 1 STARLET operating system, including privileged system services
42 0042 1 and internal exec routines.
43 0043 1
44 0044 1 --
45 0045 1
46 0046 1
47 0047 1 AUTHOR: Andrew C. Goldstein, CREATION DATE: 9-Oct-1977 16:10
48 0048 1
49 0049 1 MODIFIED BY:
50 0050 1
51 0051 1 V03-001 HH0041 Hai Huang 24-Jul-1984
52 0052 1 Remove REQUIRE 'LIB$:[VMSLIB.OBJ]MOUNTMSG.B32'.
53 0053 1
54 0054 1 V02-001 ACG0167 Andrew C. Goldstein, 18-Apr-1980 13:39
55 0055 1 Previous revision history moved to MOUNT.REV
56 0056 1 **
57 0057 1

```

TRNLOG  
V04-000

K 3  
16-Sep-1984 01:36:17  
14-Sep-1984 12:45:36

VAX-11 Bliss-32 V4.0-742  
DISK\$VMMASTER:[MOUNT.SRC]TRNLOG.B32;1 Page 2 (1)

: 58  
: 59  
: 60  
0058 1  
0059 1 LIBRARY 'SYSS\$LIBRARY:LIB.L32';  
0060 1 REQUIRE 'SRC\$:MOUDEF.B32';



```

62 0592 1 GLOBAL ROUTINE TRAN_LOGNAME (LOG_NAME, RESULT) : NOVALUE =
63 0593 1
64 0594 1 ++
65 0595 1
66 0596 1 FUNCTIONAL DESCRIPTION:
67 0597 1
68 0598 1     This routine performs simple recursive logical name translation.
69 0599 1
70 0600 1
71 0601 1 CALLING SEQUENCE:
72 0602 1     TRAN_LOGNAME (ARG1, ARG2)
73 0603 1
74 0604 1 INPUT PARAMETERS:
75 0605 1     ARG1: descriptor of logical name to translate
76 0606 1
77 0607 1 IMPLICIT INPUTS:
78 0608 1     NONE
79 0609 1
80 0610 1 OUTPUT PARAMETERS:
81 0611 1     ARG2: descriptor of result string buffer
82 0612 1         (first word receives length of result)
83 0613 1
84 0614 1 IMPLICIT OUTPUTS:
85 0615 1     NONE
86 0616 1
87 0617 1 ROUTINE VALUE:
88 0618 1     NONE
89 0619 1
90 0620 1 SIDE EFFECTS:
91 J621 1     NONE
92 0622 1
93 0623 1 --
94 0624 1
95 0625 2 BEGIN
96 0626 2
97 0627 2 MAP
98 0628 2     LOG_NAME      : REF VECTOR,    ! logical name descriptor
99 0629 2     RESULT       : REF VECTOR;    ! result string descriptor
100 0630 2
101 0631 2 LOCAL
102 0632 2     NAME_DESC    : VECTOR [2],    ! descriptor of current logical name string
103 0633 2     STATUS,      :                ! system service status
104 0634 2     P;           :                ! string search pointer
105 0635 2
106 0636 2 ! We iterate on logical name translation until the service returns SS$_NOTRAN.
107 0637 2 ! Perform device name extraction by using only the part of the logical name to
108 0638 2 ! the left of the colon (if any), also checking for node names.
109 0639 2
110 0640 2
111 0641 2 NAME_DESC[0] = .LOG_NAME[0];          ! get initial logical name
112 0642 2 NAME_DESC[1] = .RESULT[1];
113 0643 2 CH$COPY (.LOG_NAME[0], .LOG_NAME[1], 0, .RESULT[0], .RESULT[1]);
114 0644 2
115 0645 3 IF BEGIN
116 0646 3     DECR N FROM 10 TO 1 DO
117 0647 4         BEGIN
118 0648 4         P = CH$FIND_CH (.NAME_DESC[0], .NAME_DESC[1], ':');

```

```

: 119 0649 4 IF NOT CH$FAIL (.P)
: 120 0650 4 THEN
: 121 0651 5 BEGIN
: 122 0652 5 IF .P - .NAME_DESC[1] LSSU .NAME_DESC[0] - 1
: 123 0653 5 AND .(.P)<0,16> EQL ';;'
: 124 0654 5 THEN ERR_EXIT (MOUN$NONLOCAL);
: 125 0655 5 NAME_DESC[0] = .P - .NAME_DESC[1];
: 126 0656 4 END;
: 127 0657 4
: 128 0658 4 IF CH$RCHAR (.NAME_DESC[1]) EQL '_'
: 129 0659 4 THEN EXITLOOP 0;
: 130 0660 4
: 131 P 0661 4 STATUS = $TRNLOG (LOGNAM = NAME_DESC[0],
: 132 P 0662 4 RSLLEN = NAME_DESC[0],
: 133 0663 4 RSLBUF = RESULT[0]);
: 134 0664 4 IF .STATUS EQL $$ NOTRAN THEN EXITLOOP 0;
: 135 0665 4 IF NOT .STATUS THEN ERR_EXIT (.STATUS);
: 136 0666 4 END
: 137 0667 3 END
: 138 0668 2 THEN ERR_EXIT (MOUN$NOTRAN);
: 139 0669 2
: 140 0670 2 RESULT[0] = .NAME_DESC[0];
: 141 0671 2
: 142 0672 1 END; ! end of routine TRAN_LOGNAME

```

```

.TITLE TRNLOG
.IDENT \V04-000\
.EXTRN SYS$TRNLOG
.PSECT $CODE$,NOWRT,2
.ENTRY TRAN_LOGNAME, Save R2,R3,R4,R5,R6,R7
MOVAB LIB$STOP, R7
SUBL2 #4, SP
MOVL LOG_NAME, R0
PUSHL (R0)
MOVL RESULT, R6
MOVL 4(R6), NAME_DESC+4
MOVCS (R0), @4(R0), #0, (R6), @4(R6)
MOVL #10, N
LOCC #58, NAME_DESC, @NAME_DESC+4
BNEQ 2$
CLRL R1
MOVL R1, P
BEQL 4$
SUBL3 NAME_DESC+4, P, R2
SUBL3 #1, NAME_DESC, R0
CML R2, R0
BGEQU 3$
CMPW (P), #14906
BNEQ 3$
PUSHL #7503932
CALLS #1, LIB$STOP
MOVL R2, NAME_DESC

```

```

00FC 00000
57 00000000G 00 9E 00002
5E 04 C2 00009
50 04 AC D0 0000C
60 DD 00010
56 08 AC D0 00012
04 AE 04 A6 D0 00016
66 00 04 B0 60 2C 0001B
04 B6 00021
53 0A D0 00023
04 BE 6E 3A 3A 00026 1$:
02 12 0002B
51 D4 0002D
54 51 D0 0002F 2$:
21 13 00032
54 04 AE C3 00034
6E 01 C3 00039
50 52 D1 0003D
10 1E 00040
3A3A 8F 64 B1 00042
09 12 00047
0072803C 8F DD 00049
67 01 FB 0004F
6E 52 D0 00052 3$:

```



```

      5F  8F    04  BE  91 00055 4$:  CMPB  @NAME_DESC+4, #95      : 0658
      33  13 0005A  BEQL  6$      :
      7E  7C 0005C  CLRQ  -(SP)      : 0663
      7E  D4 0005E  CLRL  -(SP)      :
      56  DD 00060  PUSHL R6      :
      10  AE  9F 00062  PUSHAB NAME_DESC      :
      14  AE  9F 00065  PUSHAB NAME_DESC      :
00000000G  00  06  FB 00068  CALLS  #6, SYS$TRNLOG      :
      55  50  D0 0006F  MOVL  R0, STATUS      :
00000629  8F  55  D1 00072  CMPL  STATUS, #1577      : 0664
      14  13 00079  BEQL  6$      :
      05  55  EB 0007B  BLBS  STATUS, 5$      : 0665
      67  55  DD 0007E  PUSHL STATUS      :
      A0  01  FB 00080  CALLS  #1, LIB$STOP      : 0646
      00728044 53  F5 00083 5$:  SOBGTR N, 1$      : 0668
      67  8F  DD 00086  PUSHL #7503940      :
      66  01  FB 0008C  CALLS  #1, LIB$STOP      :
      6E  D0 0008F 6$:  MOVL  NAME_DESC, (R6)      : 0670
      04  00 00092  RET      : 0672

```

; Routine Size: 147 bytes, Routine Base: \$CODE\$ + 0000

```

: 143      0673 1
: 144      0674 1 END
: 145      0675 0 ELUDOM

```

.EXTRN LIB\$STOP

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	147	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]LIB.L32;1	18619	14	0	1000	00:02.0

COMMAND QUALIFIERS

; BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:TRNLOG/OBJ=OBJ\$:TRNLOG MSRC\$:TRNLOG/UPDATE=(ENH\$:TRNLOG)

TRNLOG  
V04-000

<sup>B 4</sup>  
16-Sep-1984 01:36:17  
14-Sep-1984 12:45:36

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[MOUNT.SRC]TRNLOG.B32;1 Page (2) 6

: Size: 147 code + 0 data bytes  
: Run Time: 00:11.5  
: Elapsed Time: 00:33.1  
: Lines/CPU Min: 3521  
: Lexemes/CPU-Min: 36568  
: Memory Used: 104 pages  
: Compilation Complete



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Labels overlaid on thumbnails:

- VMOUNT LIS
- MPCLRPFM LIS
- MPAST LIS
- MP
- MP MAP
- MP MDL
- TRNLOG LIS
- MPCMOD LIS
- MPMACROS MAR