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```
1 0001 0
2 0002 0 MODULE EXPIRE ( 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 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1 ++
31 0031 1
32 0032 1 FACILITY: MTAACP
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1 This module checks that either override expiration date
36 0036 1 was a mount parameter or the file has expired.
37 0037 1
38 0038 1 ENVIRONMENT:
39 0039 1
40 0040 1 Starlet operating system, including privileged system services
41 0041 1 and internal exec routines.
42 0042 1
43 0043 1 --
44 0044 1
45 0045 1
46 0046 1
47 0047 1 AUTHOR: D. H. GILLESPIE, CREATION DATE: 7-JUN-77
48 0048 1
49 0049 1 MODIFIED BY:
50 0050 1
51 0051 1 V02-004 DMW00040 David Michael Walp 2-Oct-1981
52 0052 1 Handle Expiration date of "00000"
53 0053 1
54 0054 1 V02-003 DMW00033 David Michael Walp 18-Aug-1981
55 0055 1 Looked at MVL Override Bit when override option is used
56 0056 1
57 0057 1 V02-002 REFORMAT Maria del C. Nasr 30-Jun-1980
```

EXPIRE
V04-000

K 9
16-Sep-1984 02:17:41
14-Sep-1984 12:46:38

VAX-11 Bliss-32 V4.0-742
[MTAACP.SRC]EXPIRE.B32;1

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F1
V0

```

: 58      0058 1 |
: 59      0059 1 |
: 60      0060 1 | **
: 61      0061 1 |
: 62      0062 1 | LIBRARY 'SYSSLIBRARY:LIB.L32';
: 63      0063 1 |
: 64      0064 1 | REQUIRE 'SRCS:MTADEF.B32';
: 65      0448 1 |
```

```

: 67 0449 1 GLOBAL ROUTINE EXPIRED (ADDR) : COMMON_CALL =
: 68 0450 1
: 69 0451 1 ++
: 70 0452 1
: 71 0453 1 FUNCTIONAL DESCRIPTION:
: 72 0454 1 This routine determines if a file has expired or override expiration
: 73 0455 1 was entered on mount.
: 74 0456 1
: 75 0457 1 CALLING SEQUENCE:
: 76 0458 1 EXPIRED(ARG1)
: 77 0459 1
: 78 0460 1 INPUT PARAMETERS:
: 79 0461 1 ARG1 - address of date in yyddd format
: 80 0462 1
: 81 0463 1 IMPLICIT INPUTS:
: 82 0464 1 CURRENT_VCB - address of current vcb, override expiration indicator
: 83 0465 1
: 84 0466 1 OUTPUT PARAMETERS:
: 85 0467 1 NONE
: 86 0468 1
: 87 0469 1 IMPLICIT OUTPUTS:
: 88 0470 1 If file has not expired and override expiration is not set,
: 89 0471 1 then error exit is taken with SS$_FILNOTEXP in user status.
: 90 0472 1
: 91 0473 1 ROUTINE VALUE:
: 92 0474 1 0 - file not expired
: 93 0475 1 1 - file expired
: 94 0476 1
: 95 0477 1 SIDE EFFECTS:
: 96 0478 1 none
: 97 0479 1
: 98 0480 1 --
: 99 0481 1
100 0482 2 BEGIN
101 0483 2
102 0484 2 EXTERNAL REGISTER
103 0485 2 COMMON_REG;
104 0486 2
105 0487 2 EXTERNAL ROUTINE
106 0488 2 CALDAYNO, ! calculate day number given 64 bit
107 0489 2 CONVDATE_J2R, ! convert ANSI Julian to reg date
108 0490 2 SYSSBINTIM : ADDRESSING_MODE (ABSOLUTE), ! get binary time
109 0491 2 SYSSGETTIM : ADDRESSING_MODE (ABSOLUTE); ! get system time
110 0492 2
111 0493 2 LOCAL
112 0494 2 DATE_TYPE : LONG, ! value of convert call
113 0495 2 REGDATE : VECTOR [12, BYTE], ! input DD-MMM-YYYY
114 0496 2 DATE : VECTOR [2], ! binary input date
115 0497 2 TODAY : VECTOR [2], ! binary today
116 0498 2 DESC1 : VECTOR [2, LONG], ! descriptor
117 0499 2 MVL_ENTRY : REF BBLOCKVECTOR [ ,MVL$K_LENGTH];
118 0500 2 ! pointer to the MVL_ENTRY
119 0501 2
120 0502 2
121 0503 2 ! get a handle on the MVL entry
122 0504 2
123 0505 2 MVL_ENTRY = (.CURRENT_VCB [ VCB$_MVL ]) + MVL$K_FIXLEN;

```

```

124 0506
125 0507
126 0508
127 0509
128 0510
129 0511
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163 0545

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IF NOT ( .CURRENT_VCB [ VCB$V_OVREXP ]
AND .MVL_ENTRY [ (.CURRENT_VCB[VCB$W_RVN]), MVL$V_OVERRIDE ] )
THEN
BEGIN
! first convert input date to date starlet can understand
DATE_TYPE = CONVDATE_J2R(REGDATE, .ADDR);
! if the date was invalid then return not expired
IF .DATE_TYPE EQL 0 THEN RETURN 0;
! if the date was Julian zero then return expired
IF .DATE_TYPE EQL 2 THEN RETURN 1;
! now convert input date to 64 bit binary and get today's date in 64
bit binary
DESC1[0] = 12;
DESC1[1] = REGDATE;
REGDATE[11] = 'C';
SYSS$BINTIM(DESC1, DATE);
SYSS$GETTIM(TODAY);
! calculate day number given 64 bit format
CALDAYNO(DATE, TODAY);
! finally is the file expired
IF .DATE GTRU .TODAY THEN RETURN 0;
END;
RETURN 1;
END;
! end of routine

```

```

.TITLE EXPIRE
.IDENT \V04-000\
.EXTRN CALDAYNO, CONVDATE_J2R
.EXTRN SYSS$BINTIM, SYSS$GETTIM
.PSECT $CODE$,NOWRT,2

```

51	34	SE	0000	00000	.ENTRY	EXPIRED, Save nothing	: 0449
		AB	24	C2 00002	SUBL2	#36, SP	: 0505
		OC	2C	AB E9 0000A	ADDL3	#36, 52(CURRENT_VCB), MVL_ENTRY	: 0507
		50	OE	AB 3C 0000E	BLBC	44(CURRENT_VCB), 1\$: 0508
49	9E		07	A140 7F 00012	MOVZWL	14(CURRENT_VCB), RO	:
			02	E0 00016	PUSHAQ	7(MVL_ENTRY)[RO]	:
					BBS	#2, @(SP)+, 2\$:

EXPIRE
V04-000

B 10
16-Sep-1984 02:17:41
14-Sep-1984 12:46:38

VAX-11 Bliss-32 V4.0-742
[MTAACP.SRC]EXPIRE.B32;1

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COMMAND QUALIFIERS

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

: Size: 106 code + 0 data bytes
: Run Time: 00:06.4
: Elapsed Time: 00:22.5
: Lines/CPU Min: 5146
: Lexemes/CPU-Min: 21075
: Memory Used: 83 pages
: Compilation Complete

