

SSSSSSSSSSSS	DDDDDDDDDDDD	AAAAA
SSSSSSSSSSSS	DDDDDDDDDDDD	AAAAA
SSSSSSSSSSSS	DDDDDDDDDDDD	AAAAA
SSS	DDD	AAA
SSS	DDD	AAA
SSS	DDD	AAA
SSS	DDD	AAA
SSS	DDD	AAA
SSS	DDD	AAA
SSSSSSSSSS	DDD	AAA
SSSSSSSSSS	DDD	AAA
SSSSSSSSSS	DDD	AAA
SSS	DDD	AAAAA
SSS	DDD	AAAAA
SSS	DDD	AAAAA
SSS	DDD	AAA
SSS	DDD	AAA
SSS	DDD	AAA
SSSSSSSSSSSS	DDDDDDDDDDDD	AAA
SSSSSSSSSSSS	DDDDDDDDDDDD	AAA
SSSSSSSSSSSS	DDDDDDDDDDDD	AAA

```
RRRRRRRR      EEEEEEEEEE  LL      EEEEEEEEEE  AAAAAA  SSSSSSSS  EEEEEEEEEE
RRRRRRRR      EEEEEEEEEE  LL      EEEEEEEEEE  AAAAAA  SSSSSSSS  EEEEEEEEEE
RR      RR      EE      LL      AA      AA  SS      EE
RR      RR      EE      LL      AA      AA  SS      EE
RR      RR      EE      LL      AA      AA  SS      EE
RR      RR      EE      LL      AA      AA  SS      EE
RRRRRRRR      EEEEEEEE  LL      EEEEEEEE  AA      AA  SSSSSS  EEEEEEEE
RRRRRRRR      EEEEEEEE  LL      EEEEEEEE  AA      AA  SSSSSS  EEEEEEEE
RR      RR      EE      LL      AAAAAAAAAA  SS      EE
RR      RR      EE      LL      AAAAAAAAAA  SS      EE
RR      RR      EE      LL      AA      AA  SS      EE
RR      RR      EE      LL      AA      AA  SS      EE
RR      RR      EEEEEEEEEE  LLLLLLLLLL  EEEEEEEEEE  AA      AA  SSSSSSSS  EEEEEEEEEE
RR      RR      EEEEEEEEEE  LLLLLLLLLL  EEEEEEEEEE  AA      AA  SSSSSSSS  EEEEEEEEEE
```

```
LL      IIIIII  SSSSSSSS
LL      IIIIII  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  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
```


RELEASE
Table of contents

DUMP FILE SPACE TO PAGE FILE

H 9

16-SEP-1984 01:45:56 VAX/VMS Macro V04-00

Page 0

(1) 2
(2) 29
(3) 52
(4) 62
(5) 117

COPYRIGHT NOTICE
PROGRAM DESCRIPTION
DECLARATIONS
SDASRELEASE_DUMP - RELEASE DUMP BLOCKS
RELEASE_DUMP_K - KERNEL MODE RELEASE

```

0000 1 .TITLE RELEASE DUMP FILE SPACE TO PAGE FILE
0000 2 .SBTTL COPYRIGHT NOTICE
0000 3 .IDENT 'V04-000'
0000 4 :
0000 5 :*****
0000 6 :*
0000 7 :* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 8 :* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 9 :* ALL RIGHTS RESERVED.
0000 10 :*
0000 11 :* THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0000 12 :* ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0000 13 :* INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0000 14 :* COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0000 15 :* OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0000 16 :* TRANSFERRED.
0000 17 :*
0000 18 :* THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 19 :* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 20 :* CORPORATION.
0000 21 :*
0000 22 :* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 :*
0000 25 :*
0000 26 :*****
0000 27 :

```



```

0000 29      .SBTTL PROGRAM DESCRIPTION
0000 30      :++
0000 31      : FACILITY
0000 32      :
0000 33      : SYSTEM DUMP ANALYZER
0000 34      :
0000 35      : ABSTRACT
0000 36      :
0000 37      : PRIVILEGED CODE TO RELEASE DUMP SPACE TO PAGE FILE IF NECESSARY
0000 38      :
0000 39      : ENVIRONMENT
0000 40      :
0000 41      : NATIVE MODE, KERNEL MODE
0000 42      :
0000 43      : AUTHOR
0000 44      :
0000 45      : PETER H. LIPMAN, APRIL, 1982
0000 46      :
0000 47      : MODIFIED BY:
0000 48      :
0000 49      : V03-001 BLS0309 Benn Schreiber 27-APR-1984
0000 50      : Use FULLDEVNAM rather than DEVNAM

```

RELEASE
V04-000

DUMP FILE SPACE TO PAGE FILE
DECLARATIONS

K 9

16-SEP-1984 01:45:56 VAX/VMS Macro V04-00
5-SEP-1984 03:33:45 [SDA.SRC]RELEASE.MAR;1

Page 3
(3)

0000	52	.SBTTL	DECLARATIONS	
0000	53	:		
0000	54	:		
0000	55	:		
0000	56	\$DVIDEF		; DEVICE INFORMATION ITEM DEFINITIONS
0000	57	\$IPLDEF		; PROCESSOR PRIORITY LEVEL DEFINITIONS
0000	58	\$NAMDEF		; NAME BLOCK DEFINITIONS
0000	59	\$PRDEF		; PROCESSOR REGISTER DEFINITIONS
0000	60	\$SSDEF		; SYSTEM SERVICE CONDITON CODE DEF'S


```

0000 62 .SBTTL SDA$RELEASE_DUMP - RELEASE DUMP BLOCKS
0000 63
0000 64
0000 65 SDA$RELEASE_DUMP
0000 66
0000 67 THIS ROUTINE RELEASES THE DUMP FILE BLOCKS TO THE PAGE FILE
0000 68 IF THE FILE IS THE PAGE FILE THAT SYSINIT INITIALIZED AND
0000 69 THE BLOCKS HAVE NOT PREVIOUSLY BEEN RELEASED
0000 70
0000 71 INPUTS:
0000 72
0000 73 4(AP) = NAM BLOCK ADDRESS FOR THE DUMP FILE
0000 74
0000 75 OUTPUTS:
0000 76
0000 77 R0 = SS$ WASSET IF THE DUMP FILE BLOCKS HAVE ACTUALLY BEEN
0000 78 RETURNED TO THE PAGE FILE
0000 79 = SS$ WASCLR IF THIS FILE WAS NOT THE PAGE FILE OR THE
0000 80 BLOCKS HAD PREVIOUSLY BEEN RELEASED
0000 81 = LBC IF ERROR
0000 82
0000 83
0000 84
0000 85 SYSDEV_NAM_DSC:
0000 86 .ASCID /SYS$SYSDEVICE/
000E
0015 87
0015 88 .ENTRY SDA$RELEASE_DUMP,^M<R2,R3,R4,R5,R6>
0017 89 SUBL #64,SP ; RESERVE DEVICE NAME BUFFER
001E 90 MOVL SP,R2 ; SAVE ITS ADDRESS
0021 91 MOVAL -(SP),R3 ; RESERVE RETURN LENGTH, ADR TO R3
0024 92 CLRL -(SP) ; END OF ITEM LIST
0026 93 MOVQ R2,-(SP) ; PUSH ADR TO RETURN LENGTH
0029 94 ; PUSH ADR TO RETURN DEVICE NAME
0029 95 PUSHL #<DVI$_FULLDEVNAM>@16+64 ; LENGTH OF DEVICE NAME BUFFER
002F 96 ; AND ITEM CODE FOR DEVICE NAME
002F 97 MOVL SP,R0 ; ADDRESS OF ITEM LIST
0032 98 $GETDVI S -
0032 99 -EFN=#0 -
0032 100 DEVNAM=B^SYSDEV_NAM_DSC -
0032 101 ITMLST=(R0)
0049 102 BLBC R0,30$
004C 103 $WAITFR S EFN=#0
0055 104 MOVL 4(AP),R6 ; GET NAM BLOCK ADDRESS
0059 105 DECB (R3) ; DON'T COUNT TRAILING COLON
005B 106 CMPB (R3),NAM$_DVI(R6) ; SIZE OF DEVICE NAMES MATCH?
005F 107 BNEQ 20$ ; BRANCH IF NOT
0061 108 CMPC3 (R3),(R2),NAM$_DVI+1(R6) ; DEVICE NAMES MATCH?
0066 109 BNEQ 20$ ; BRANCH IF NOT
0068 110 CMPC3 #6,NAM$_FID(R6),G^EXESGW_PGFL_FID ; IS THIS THE PAGE FILE?
0071 111 BNEQ 20$ ; BRANCH IF NOT
0073 112 $CMKRNL S B^RELEASE_DUMP_K ; RELEASE THE BLOCKS
007F 113 RET
0080 114 20$: MOVL S^#SS$_WASCLR,R0
0083 115 30$: RET

```

```
0084 117 .SBTTL RELEASE_DUMP_K - KERNEL MODE RELEASE
0084 118 :---
0084 119 :
0084 120 RELEASE_DUMP_K
0084 121 :
0084 122 THIS KERNEL MODE ROUTINE RELEASES THE DUMP FILE BLOCKS
0084 123 TO THE PAGE FILE IF THEY HAVE NOT ALREADY BEEN RELEASED.
0084 124 :
0084 125 INPUTS:
0084 126 :
0084 127 NONE
0084 128 :
0084 129 OUTPUTS:
0084 130 :
0084 131 R0 = $$$ WASSET IF THE DUMP FILE BLOCKS HAVE ACTUALLY BEEN
0084 132 RETURNED TO THE PAGE FILE
0084 133 = $$$_WASCLR IF THERE WERE NO BLOCKS TO RELEASE
0084 134 :
0084 135 :---
0084 136 :
000C 0084 137 .ENTRY RELEASE_DUMP_K, ^M<R2,R3>
01 DD 0086 138 PUSHL S^#$$$_WASCLR ; ASSUME NORMAL STATUS
51 00000000'GF DO 0088 139 10$: SETIPL 40$ ; AVOID RACE TO
21 13 008F 140 MOVL G^EXE$GL_SAVEDUMP,R1 ; TO FETCH AND CLEAR THIS
53 00000000'GF 3C 0096 141 BEQL 20$ ; BRANCH IF ALREADY CLEAR
53 00000000'FF43 DO 0098 142 MOVZWL G^MMG$GW_MINPFIDX,R3 ; GET PAGEFILE INDEX FOR PAGEFILE.SYS
50 01 DO 009F 143 MOVL @MMG$GL_PAGSWPVC[R3],R3 ; PAGE FILE CONTROL BLOCK ADDRESS
00000000'GF 16 00A7 144 MOVL #1,R0 ; STARTING VBN TO RELEASE
00000000'GF D4 00AA 145 JSB G^MMG$DEALLOCPCAGFIL ; DEALLOCATE BLOCKS TO PAGE FILE
6E 09 DO 00B0 146 CLRL G^EXE$GL_SAVEDUMP ; NOTE BLOCKS RELEASED
01 BA 00B6 147 MOVL S^#$$$_WASSET,(SP) ; STATUS FOR BLOCKS RELEASED
04 00B9 148 20$: SETIPL #0 ; DONE WITH SYNCHRONIZATION
00000008 00BC 149 30$: POPR #^M<R0>
00C3 150 RET
00C3 151 40$: .LONG IPL$_SYNCH
00C3 152 50$: ASSUME 50$-10$ LE 512
00C3 153
00C3 154
00C3 155 .END
```


RELEASE
Symbol table

DUMP FILE SPACE TO PAGE FILE

N 9

16-SEP-1984 01:45:56 VAX/VMS Macro V04-00
5-SEP-1984 03:33:45 [SDA.SRC]RELEASE.MAR;1

Page 6
(5)

```

$ST1          = 00000001
DVIS$ FULLDEVNAM = 000000E8
EXES$GL_SAVEDUMP ***** X 01
EXES$GW_PGFL_FID ***** X 01
IPL$ SYNCH      = 00000008
MMGS$DEALLOC PAGFIL ***** X 01
MMGS$GL_PAGSWPVC ***** X 01
MMGS$GW_MINPFIDX ***** X 01
NAM$T_DVI       = 00000014
NAM$W_FID       = 00000024
PR$ IPL         = 00000012
RELEASE_DUMP_K  = 00000084 RG 01
SDAS$RELEASE_DUMP = 00000015 RG 01
SS$ WASCLR      = 00000001
SS$ WASSET      = 00000009
SYS$CMKRNL      ***** GX 01
SYS$GETDVI      ***** GX 01
SYS$WAITFR      ***** GX 01
SYSDEV_NAM_DSC  00000000 R 01
```

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes
. ABS :	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
. BLANK :	000000C3 (195.)	01 (1.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE
\$ABSS	00000000 (0.)	02 (2.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	30	00:00:00.05	00:00:01.08
Command processing	110	00:00:00.44	00:00:03.58
Pass 1	271	00:00:05.03	00:00:22.25
Symbol table sort	1	00:00:00.82	00:00:04.01
Pass 2	44	00:00:00.84	00:00:05.59
Symbol table output	4	00:00:00.03	00:00:00.03
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	464	00:00:07.24	00:00:36.57

The working set limit was 1200 pages.

41057 bytes (81 pages) of virtual memory were used to buffer the intermediate code.

There were 50 pages of symbol table space allocated to hold 823 non-local and 7 local symbols.

155 source lines were read in Pass 1, producing 18 object records in Pass 2.

19 pages of virtual memory were used to define 18 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
-----	-----
\$255\$DUA28:[SDA.OBJ]SDALIB.MLB;1	0
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	2
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	13
TOTALS (all libraries)	15

946 GETS were required to define 15 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:RELEASE/OBJ=OBJ\$:RELEASE MSRC\$:RELEASE/UPDATE=(ENH\$:RELEASE)+EXECML\$/LIB+LIB\$:SDALIB/LIB

0353

AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY