

J E S 2 J O B L O G

15.04.34 JOB 1494 IEF677I WARNING MESSAGE(S) FOR JOB VSU33902 ISSUED
15.04.34 JOB 1494 \$HASP373 VSU33902 STARTED - INIT 1 - CLASS A - SYS HMVS
15.04.34 JOB 1494 IEF403I VSU33902 - STARTED - TIME=15.04.34
15.04.34 JOB 1494 IEFACTRT IDCAMS /IDCAMS /00:00:00.10/00:00:00.12/00000/VSU33902
15.04.34 JOB 1494 IEC130I SYSPUNCH DD STATEMENT MISSING
15.04.34 JOB 1494 IEC130I SYSPUNCH DD STATEMENT MISSING
15.04.34 JOB 1494 IEFACTRT COB /IKFCBL00/00:00:00.05/00:00:00.08/00000/VSU33902
15.04.34 JOB 1494 IEFACTRT LKED /IEWL /00:00:00.01/00:00:00.04/00000/VSU33902
15.05.11 JOB 1494 IEFACTRT GO /PGM=*.DD/00:00:35.63/00:00:37.21/00000/VSU33902
15.05.49 JOB 1494 IEFACTRT GO2 /RUN /00:00:35.67/00:00:37.40/00000/VSU33902
15.06.26 JOB 1494 IEFACTRT GO3 /RUN /00:00:35.98/00:00:37.68/00000/VSU33902
15.07.15 JOB 1494 IEFACTRT IDCAMS /IDCAMS /00:00:47.07/00:00:48.73/00000/VSU33902
15.07.15 JOB 1494 IEF404I VSU33902 - ENDED - TIME=15.07.15
15.07.15 JOB 1494 \$HASP395 VSU33902 ENDED

----- JES2 JOB STATISTICS -----

19 FEB 25 JOB EXECUTION DATE

110 CARDS READ

1,584 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

2.68 MINUTES EXECUTION TIME

```

1 //VSU33902 JOB (001),'TEST 3390-2 ',CLASS=A,MSGCLASS=X, JOB 1494
// NOTIFY=JAY01,COND=(0,NE) IKJEFF10
2 //JOB CAT DD DISP=SHR,DSN=UCPUB000
***
*****
*** DELETE AND THE DEFINE KSDS CLUSTERS FOR TESTING
*****
***
3 //IDCAMS EXEC PGM=IDCAMS,REGION=4096K
4 //SYSPRINT DD SYSOUT=*
5 //SYSIN DD *
***
6 //CREATE EXEC COBUCLG,CPARM1='LOAD,SUPMAP,LIB'
7 XXCOBUCLG PROC CPARM1='LOAD,SUPMAP', 100010000
XX CPARM2='SIZE=2048K,BUF=1024K', 100020000
XX LKEDPGM='IEWL' 00020100
8 XXCOB EXEC PGM=IKFCBL00,REGION=4096K, 00040001
XX PARM='&CPARM1,&CPARM2' 00050001
9 XXSTEPLIB DD DSN=SYSC.LINKLIB,DISP=SHR 00051001
10 XXSYSPRINT DD SYSOUT=* 00060000
11 XXSYSUT1 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00070000
12 XXSYSUT2 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00080000
13 XXSYSUT3 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00090000
14 XXSYSUT4 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00100000
15 XXSYSLIN DD DSN=&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA, 00110000
XX SPACE=(80,(500,100)) 00120000
16 //COB.SYSLIB DD DISP=SHR,DSN=SYSC.VSAMIO.SOURCE
17 //COB.SYSIN DD DISP=SHR,DSN=JAY01.BIGDASD.TEST.SOURCE(A04C)
18 XXLKED EXEC PGM=&LKEDPGM, 100130000
XX PARM='LIST,XREF,LET',COND=(5,LT,COB),REGION=96K 00130100
19 XXSYSLIN DD DSN=&LOADSET,DISP=(OLD,DELETE) 00140000
20 XX DD DDNAME=SYSIN 00150000
21 //LKED.SYSLMOD DD DSN=JAY01.TEST.LOAD(RUN)
X/SYSLMOD DD DSN=&GODATA(RUN),DISP=(NEW,PASS),UNIT=SYSDA, 00160000
XX SPACE=(1024,(50,20,1)) 00170000
22 //LKED.SYSLIB DD DISP=SHR,DSN=SYSC.LINKLIB
X/SYSLIB DD DSN=SYSC.COBLIB,DISP=SHR 00180000
23 // DD DISP=SHR,DSN=SYSC.COBLIB
24 XXSYSUT1 DD UNIT=SYSDA,SPACE=(1024,(50,20)) 00190000
25 XXSYSPRINT DD SYSOUT=* 00200000
26 XXGO EXEC PGM=*.LKED.SYSLMOD,COND=((5,LT,COB),(5,LT,LKED)) 00210000
27 //GO.SYSOUT DD SYSOUT=*
28 //GO.SYSUDUMP DD SYSOUT=*
29 //GO.KSDSF01 DD DSN=TEST01.CLUSTER1,DISP=OLD
***
30 //GO2 EXEC PGM=RUN
31 //STEPLIB DD DISP=(OLD,PASS),DSN=JAY01.TEST.LOAD
32 //GO.SYSOUT DD SYSOUT=*
33 //GO.SYSUDUMP DD SYSOUT=*
34 //GO.KSDSF01 DD DSN=TEST01.CLUSTER2,DISP=OLD
***
35 //GO3 EXEC PGM=RUN
36 //STEPLIB DD DISP=(OLD,PASS),DSN=JAY01.TEST.LOAD
37 //GO.SYSOUT DD SYSOUT=*
38 //GO.SYSUDUMP DD SYSOUT=*
39 //GO.KSDSF01 DD DSN=TEST01.CLUSTER3,DISP=OLD
***
40 //IDCAMS EXEC PGM=IDCAMS,REGION=1024K
41 //SYSPRINT DD SYSOUT=*
42 //SYSIN DD *

```

STMT NO. MESSAGE

```

8      IEF653I SUBSTITUTION JCL - PARM='LOAD,SUPMAP,LIB,SIZE=2048K,BUF=1024K'
18     IEF653I SUBSTITUTION JCL - PGM=IEWL,
26     IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED
IEF236I ALLOC. FOR VSU33902 IDCAMS
IEF237I 180  ALLOCATED TO JOBCAT
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSIN
IEF237I 393  ALLOCATED TO SYS00001
IEF285I  TEST01.CLUSTER1             KEPT          *-----0
IEF285I  VOL SER NOS= TEST01.
IEF237I 393  ALLOCATED TO SYS00002
IEF285I  TEST01.CLUSTER2             KEPT          *-----0
IEF285I  VOL SER NOS= TEST01.
IEF237I 393  ALLOCATED TO SYS00003
IEF285I  TEST01.CLUSTER3             KEPT          *-----0
IEF285I  VOL SER NOS= TEST01.
IEF237I 393  ALLOCATED TO SYS00004
IEF237I 393  ALLOCATED TO SYS00006
IEF285I  SYS25050.T150434.RA000.VSU33902.R0000004  KEPT          *-----0
IEF285I  VOL SER NOS= TEST01.
IEF285I  SYS25050.T150434.RA000.VSU33902.R0000006  KEPT          *-----0
IEF285I  VOL SER NOS= TEST01.
IEF237I 393  ALLOCATED TO SYS00008
IEF237I 393  ALLOCATED TO SYS00010
IEF285I  SYS25050.T150434.RA000.VSU33902.R0000008  KEPT          *-----0
IEF285I  VOL SER NOS= TEST01.
IEF285I  SYS25050.T150434.RA000.VSU33902.R0000010  KEPT          *-----0
IEF285I  VOL SER NOS= TEST01.
IEF237I 393  ALLOCATED TO SYS00012
IEF237I 393  ALLOCATED TO SYS00014
IEF285I  SYS25050.T150434.RA000.VSU33902.R0000012  KEPT          *-----0
IEF285I  VOL SER NOS= TEST01.
IEF285I  SYS25050.T150434.RA000.VSU33902.R0000014  KEPT          *-----0
IEF285I  VOL SER NOS= TEST01.
IEF142I VSU33902 IDCAMS - STEP WAS EXECUTED - COND CODE 0000
IEF285I  UCPUB000                     KEPT          *-----0
IEF285I  VOL SER NOS= PUB000.
IEF285I  JES2.JOB01494.SO0103          SYSOUT
IEF285I  JES2.JOB01494.SI0101          SYSIN
IEF373I STEP /IDCAMS / START 25050.1504
IEF374I STEP /IDCAMS / STOP 25050.1504 CPU      0MIN 00.09SEC SRB      0MIN 00.01SEC VIRT    284K SYS    240K
**** JOB NAME: VSU33902 JOBCARD READ 2025/050 15:04:34 370/148 VS2 R03.8 HMVS *****
*
* STEP NUMBER:          1  USER CORE:          284K  START TIME:    15:04:34    CPU TIME:      00:00:00.10  ACTIVE TIME:  00:00:00.11 *
* STEP NAME:           IDCAMS  SYSTEM CORE:      240K  STOP TIME:     15:04:34    SRB TIME:      00:00:00.01  ALLOC TIME:   15:04:34 *
* PROGRAM NAME:        IDCAMS  REGION SIZE:     4096K  ELAPSED TIME:  00:00:00.12  TCB TIME:      00:00:00.09  PROGRAM LOAD: 15:04:34 *
* CONDITION CODE:      00000  PERFORMANCE GROUP: 004
*
* JES2 CARDS:          6          SERVICE UNITS  PAGES IN/OUT  # SWAPS  PAGES SWAP IN/OUT  VIO PAGES IN/OUT *
*                               84          0 / 0          0          0 / 0          0 / 0 *
*
* ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT *
* 180/D3380           0
*****
IEF236I ALLOC. FOR VSU33902 COB CREATE
IEF237I 180  ALLOCATED TO JOBCAT
IEF237I 253  ALLOCATED TO STEPLIB
IEF237I 253  ALLOCATED TO SYS00044
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I 390  ALLOCATED TO SYSUT1

```

```

IEF237I 281 ALLOCATED TO SYSUT2
IEF237I 252 ALLOCATED TO SYSUT3
IEF237I 251 ALLOCATED TO SYSUT4
IEF237I 252 ALLOCATED TO SYSLIN
IEF237I 253 ALLOCATED TO SYSLIB
IEF237I 280 ALLOCATED TO SYSIN
IEC130I SYSPUNCH DD STATEMENT MISSING
IEC130I SYSPUNCH DD STATEMENT MISSING
IEF142I VSU33902 COB CREATE - STEP WAS EXECUTED - COND CODE 0000
IEF285I UCPUB000 KEPT *-----0
IEF285I VOL SER NOS= PUB000.
IEF285I SYSC.LINKLIB KEPT *-----0
IEF285I VOL SER NOS= SYSCP.
IEF285I UCSYSCP KEPT *-----0
IEF285I VOL SER NOS= SYSCP.
IEF285I JES2.JOB01494.SO0104 SYSOUT
IEF285I SYS25050.T150434.RA000.VSU33902.R0000001 DELETED *-----6
IEF285I VOL SER NOS= WORK03.
IEF285I SYS25050.T150434.RA000.VSU33902.R0000002 DELETED *-----6
IEF285I VOL SER NOS= MVS381.
IEF285I SYS25050.T150434.RA000.VSU33902.R0000003 DELETED *-----9
IEF285I VOL SER NOS= WORK01.
IEF285I SYS25050.T150434.RA000.VSU33902.R0000004 DELETED *-----8
IEF285I VOL SER NOS= WORK00.
IEF285I SYS25050.T150434.RA000.VSU33902.LOADSET PASSED *-----131
IEF285I VOL SER NOS= WORK01.
IEF285I SYSC.VSAMIO.SOURCE KEPT *-----6
IEF285I VOL SER NOS= SYSCP.
IEF285I JAY01.BIGDASD.TEST.SOURCE KEPT *-----2
IEF285I VOL SER NOS= MVS380.
IEF373I STEP /COB / START 25050.1504
IEF374I STEP /COB / STOP 25050.1504 CPU 0MIN 00.04SEC SRB 0MIN 00.01SEC VIRT 2076K SYS 240K
*****
*
* STEP NUMBER: 2 USER CORE: 2076K START TIME: 15:04:34 CPU TIME: 00:00:00.05 ACTIVE TIME: 00:00:00.05 *
* STEP NAME: COB SYSTEM CORE: 240K STOP TIME: 15:04:34 SRB TIME: 00:00:00.01 ALLOC TIME: 15:04:34 *
* PROGRAM NAME: IKFCBL00 REGION SIZE: 4096K ELAPSED TIME: 00:00:00.08 TCB TIME: 00:00:00.04 PROGRAM LOAD: 15:04:34 *
* CONDITION CODE: 00000 PERFORMANCE GROUP: 004 *
* JES2 CARDS: 0 SERVICE UNITS PAGES IN/OUT # SWAPS PAGES SWAP IN/OUT VIO PAGES IN/OUT *
* 916 0 / 0 0 0 / 0 0 / 0 *
*
* ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT *
* 180/D3380 0 253/D3350 0 253/D3350 0 390/D3390 6 281/D3380 6 252/D3350 9 *
* 251/D3350 8 252/D3350 131 253/D3350 6 280/D3380 2 *
*****
IEF236I ALLOC. FOR VSU33902 LKED CREATE
IEF237I 180 ALLOCATED TO JOBCAT
IEF237I 252 ALLOCATED TO SYSLIN
IEF237I DMY ALLOCATED TO
IEF237I 390 ALLOCATED TO SYSLMOD
IEF237I 253 ALLOCATED TO SYSLIB
IEF237I 253 ALLOCATED TO
IEF237I 253 ALLOCATED TO SYS00047
IEF237I 281 ALLOCATED TO SYSUT1
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF142I VSU33902 LKED CREATE - STEP WAS EXECUTED - COND CODE 0000
IEF285I UCPUB000 KEPT *-----0
IEF285I VOL SER NOS= PUB000.
IEF285I SYS25050.T150434.RA000.VSU33902.LOADSET DELETED *-----132
IEF285I VOL SER NOS= WORK01.
IEF285I JAY01.TEST.LOAD PASSED *-----12

```

```

IEF285I VOL SER NOS= WORK03.
IEF285I SYSC.LINKLIB KEPT *-----27
IEF285I VOL SER NOS= SYSCP.
IEF285I SYSC.COBLIB KEPT *-----0
IEF285I VOL SER NOS= SYSCP.
IEF285I UCSYSCP. KEPT *-----0
IEF285I VOL SER NOS= SYSCP.
IEF285I SYS25050.T150434.RA000.VSU33902.R0000005 DELETED *-----0
IEF285I VOL SER NOS= MVS381.
IEF285I JES2.JOB01494.S00105 SYSOUT
IEF373I STEP /LKED / START 25050.1504
IEF374I STEP /LKED / STOP 25050.1504 CPU 0MIN 00.01SEC SRB 0MIN 00.00SEC VIRT 96K SYS 224K
*****
*
* STEP NUMBER: 3 USER CORE: 96K START TIME: 15:04:34 CPU TIME: 00:00:00.01 ACTIVE TIME: 00:00:00.02 *
* STEP NAME: LKED SYSTEM CORE: 224K STOP TIME: 15:04:34 SRB TIME: 00:00:00.00 ALLOC TIME: 15:04:34 *
* PROGRAM NAME: IEWL REGION SIZE: 96K ELAPSED TIME: 00:00:00.04 TCB TIME: 00:00:00.01 PROGRAM LOAD: 15:04:34 *
* CONDITION CODE: 00000 PERFORMANCE GROUP: 004 *
* JES2 CARDS: 0 SERVICE UNITS PAGES IN/OUT # SWAPS PAGES SWAP IN/OUT VIO PAGES IN/OUT *
* 880 0 / 0 0 0 / 0 0 / 0 *
*
* ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT *
* 180/D3380 0 252/D3350 132 390/D3390 12 253/D3350 27 253/D3350 0 253/D3350 0 *
* 281/D3380 0 *
*****
IEF236I ALLOC. FOR VSU33902 GO CREATE
IEF237I 180 ALLOCATED TO JOBCAT
IEF237I 390 ALLOCATED TO PGM=*.DD
IEF237I JES2 ALLOCATED TO SYSOUT
IEF237I JES2 ALLOCATED TO SYSUDUMP
IEF237I 393 ALLOCATED TO KSDSF01
IEF142I VSU33902 GO CREATE - STEP WAS EXECUTED - COND CODE 0000
IEF285I UCPUB000 KEPT *-----0
IEF285I VOL SER NOS= PUB000.
IEF285I JAY01.TEST.LOAD KEPT *-----0
IEF285I VOL SER NOS= WORK03.
IEF285I JES2.JOB01494.S00106 SYSOUT
IEF285I JES2.JOB01494.S00107 SYSOUT
IEF285I TEST01.CLUSTER1 KEPT *---45,244
IEF285I VOL SER NOS= TEST01.
IEF373I STEP /GO / START 25050.1504
IEF374I STEP /GO / STOP 25050.1505 CPU 0MIN 34.89SEC SRB 0MIN 00.74SEC VIRT 112K SYS 232K
*****
*
* STEP NUMBER: 4 USER CORE: 112K START TIME: 15:04:34 CPU TIME: 00:00:35.63 ACTIVE TIME: 00:00:37.20 *
* STEP NAME: GO SYSTEM CORE: 232K STOP TIME: 15:05:11 SRB TIME: 00:00:00.74 ALLOC TIME: 15:04:34 *
* PROGRAM NAME: PGM=*.DD REGION SIZE: 512K ELAPSED TIME: 00:00:37.21 TCB TIME: 00:00:34.89 PROGRAM LOAD: 15:04:34 *
* CONDITION CODE: 00000 PERFORMANCE GROUP: 004 *
* JES2 CARDS: 0 SERVICE UNITS PAGES IN/OUT # SWAPS PAGES SWAP IN/OUT VIO PAGES IN/OUT *
* 246,221 0 / 0 0 0 / 0 0 / 0 *
*
* ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT *
* 180/D3380 0 390/D3390 0 393/D3390 45244 *
*****
IEF236I ALLOC. FOR VSU33902 GO2
IEF237I 180 ALLOCATED TO JOBCAT
IEF237I 390 ALLOCATED TO STEPLIB
IEF237I JES2 ALLOCATED TO SYSOUT
IEF237I JES2 ALLOCATED TO SYSUDUMP
IEF237I 393 ALLOCATED TO KSDSF01
IEF142I VSU33902 GO2 - STEP WAS EXECUTED - COND CODE 0000

```

```

IEF285I  UCPUB000                                KEPT          *-----0
IEF285I  VOL SER NOS= PUB000.
IEF285I  JAY01.TEST.LOAD                        PASSED        *-----0
IEF285I  VOL SER NOS= WORK03.
IEF285I  JES2.JOB01494.S00108                   SYSOUT
IEF285I  JES2.JOB01494.S00109                   SYSOUT
IEF285I  TEST01.CLUSTER2                        KEPT          *---45,244
IEF285I  VOL SER NOS= TEST01.
IEF373I  STEP /GO2          / START 25050.1505
IEF374I  STEP /GO2          / STOP  25050.1505 CPU    0MIN 34.93SEC SRB    0MIN 00.74SEC VIRT  112K SYS   232K
*****
*
* STEP NUMBER:           5  USER CORE:           112K  START TIME:    15:05:11    CPU TIME:      00:00:35.67  ACTIVE TIME:   00:00:37.39 *
* STEP NAME:             GO2    SYSTEM CORE:      232K  STOP TIME:     15:05:49    SRB TIME:      00:00:00.74  ALLOC TIME:    15:05:11 *
* PROGRAM NAME:         RUN     REGION SIZE:   512K  ELAPSED TIME: 00:00:37.40  TCB TIME:      00:00:34.93  PROGRAM LOAD:  15:05:11 *
* CONDITION CODE:      00000  PERFORMANCE GROUP: 004
* JES2 CARDS:           0          SERVICE UNITS  PAGES IN/OUT  # SWAPS  PAGES SWAP IN/OUT  VIO PAGES IN/OUT *
*                               246,244      0 /    0          0        0 /    0          0 /    0 *
*
* ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT *
* 180/D3380           0  390/D3390           0  393/D3390           45244 *
*****
IEF236I  ALLOC. FOR VSU33902 GO3
IEF237I  180  ALLOCATED TO JOBCAT
IEF237I  390  ALLOCATED TO STEPLIB
IEF237I  JES2 ALLOCATED TO SYSOUT
IEF237I  JES2 ALLOCATED TO SYSUDUMP
IEF237I  393  ALLOCATED TO KSDSF01
IEF142I  VSU33902 GO3 - STEP WAS EXECUTED - COND CODE 0000
IEF285I  UCPUB000                                KEPT          *-----0
IEF285I  VOL SER NOS= PUB000.
IEF285I  JAY01.TEST.LOAD                        PASSED        *-----0
IEF285I  VOL SER NOS= WORK03.
IEF285I  JES2.JOB01494.S00110                   SYSOUT
IEF285I  JES2.JOB01494.S00111                   SYSOUT
IEF285I  TEST01.CLUSTER3                        KEPT          *---45,244
IEF285I  VOL SER NOS= TEST01.
IEF373I  STEP /GO3          / START 25050.1505
IEF374I  STEP /GO3          / STOP  25050.1506 CPU    0MIN 35.23SEC SRB    0MIN 00.75SEC VIRT  112K SYS   232K
*****
*
* STEP NUMBER:           6  USER CORE:           112K  START TIME:    15:05:49    CPU TIME:      00:00:35.98  ACTIVE TIME:   00:00:37.67 *
* STEP NAME:             GO3    SYSTEM CORE:      232K  STOP TIME:     15:06:26    SRB TIME:      00:00:00.75  ALLOC TIME:    15:05:49 *
* PROGRAM NAME:         RUN     REGION SIZE:   512K  ELAPSED TIME: 00:00:37.68  TCB TIME:      00:00:35.23  PROGRAM LOAD:  15:05:49 *
* CONDITION CODE:      00000  PERFORMANCE GROUP: 004
* JES2 CARDS:           0          SERVICE UNITS  PAGES IN/OUT  # SWAPS  PAGES SWAP IN/OUT  VIO PAGES IN/OUT *
*                               246,414      0 /    0          0        0 /    0          0 /    0 *
*
* ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT *
* 180/D3380           0  390/D3390           0  393/D3390           45244 *
*****
IEF236I  ALLOC. FOR VSU33902 IDCAMS
IEF237I  180  ALLOCATED TO JOBCAT
IEF237I  JES2 ALLOCATED TO SYSPRINT
IEF237I  JES2 ALLOCATED TO SYSIN
IEF237I  393  ALLOCATED TO SYS00016
IEF285I  TEST01.CLUSTER1                        KEPT          *---16,491
IEF285I  VOL SER NOS= TEST01.
IEF237I  393  ALLOCATED TO SYS00017
IEF285I  TEST01.CLUSTER2                        KEPT          *---16,491
IEF285I  VOL SER NOS= TEST01.

```

```

IEF237I 393 ALLOCATED TO SYS00018
IEF285I TEST01.CLUSTER3 KEPT *---16,491
IEF285I VOL SER NOS= TEST01.
IEF142I VSU33902 IDCAMS - STEP WAS EXECUTED - COND CODE 0000
IEF285I UCPUB000 KEPT *-----0
IEF285I VOL SER NOS= PUB000.
IEF285I JES2.JOB01494.S00112 SYSOUT
IEF285I JES2.JOB01494.SI0102 SYSIN
IEF373I STEP /IDCAMS / START 25050.1506
IEF374I STEP /IDCAMS / STOP 25050.1507 CPU 0MIN 46.23SEC SRB 0MIN 00.84SEC VIRT 320K SYS 256K
*****
*
* STEP NUMBER: 7 USER CORE: 320K START TIME: 15:06:26 CPU TIME: 00:00:47.07 ACTIVE TIME: 00:00:48.73 *
* STEP NAME: IDCAMS SYSTEM CORE: 256K STOP TIME: 15:07:15 SRB TIME: 00:00:00.84 ALLOC TIME: 15:06:26 *
* PROGRAM NAME: IDCAMS REGION SIZE: 1024K ELAPSED TIME: 00:00:48.73 TCB TIME: 00:00:46.23 PROGRAM LOAD: 15:06:26 *
* CONDITION CODE: 00000 PERFORMANCE GROUP: 004 *
* JES2 CARDS: 0 SERVICE UNITS PAGES IN/OUT # SWAPS PAGES SWAP IN/OUT VIO PAGES IN/OUT *
* 280,014 0 / 0 0 0 / 0 0 / 0 *
*
* ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT *
* 180/D3380 0 *
*****
IEF237I 390 ALLOCATED TO SYS00019
IEF285I SYS25050.T150715.RA000.VSU33902.R0000019 KEPT *-----0
IEF285I VOL SER NOS= WORK03.
IEF285I JAY01.TEST.LOAD DELETED
IEF285I VOL SER NOS= WORK03.
IEF375I JOB /VSU33902/ START 25050.1504
IEF376I JOB /VSU33902/ STOP 25050.1507 CPU 2MIN 31.42SEC SRB 0MIN 03.09SEC

```

```
/* DELETE KSDS CLUSTERS */
```

```
DELETE (TEST01.CLUSTER1) CLUSTER PURGE
```

```
IDC0550I ENTRY (D) TEST01.DATA1 DELETED
```

```
IDC0550I ENTRY (I) TEST01.INDEX1 DELETED
```

```
IDC0550I ENTRY (C) TEST01.CLUSTER1 DELETED
```

```
IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0
```

```
DELETE (TEST01.CLUSTER2) CLUSTER PURGE
```

```
IDC0550I ENTRY (D) TEST01.DATA2 DELETED
```

```
IDC0550I ENTRY (I) TEST01.INDEX2 DELETED
```

```
IDC0550I ENTRY (C) TEST01.CLUSTER2 DELETED
```

```
IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0
```

```
DELETE (TEST01.CLUSTER3) CLUSTER PURGE
```

```
IDC0550I ENTRY (D) TEST01.DATA3 DELETED
```

```
IDC0550I ENTRY (I) TEST01.INDEX3 DELETED
```

```
IDC0550I ENTRY (C) TEST01.CLUSTER3 DELETED
```

```
IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0
```

```
/* IF THERE WAS NO CLUSTER TO DELETE, RESET CC */
```

```
IF LASTCC = 8 THEN
```

```
DO
```

```
    SET LASTCC = 0
```

```
    SET MAXCC = 0
```

```
END
```

```
/* DEFINE KSDS CLUSTER */
```

```
DEFINE CLUSTER ( -  
  NAME ( TEST01.CLUSTER1 ) -  
  VOLUMES ( TEST01 ) -  
  RECORDSIZE ( 125 125 ) -  
  CYLINDERS ( 720 ) -  
  KEYS ( 9 0 ) -  
  INDEXED -  
  UNIQUE -  
  ) -  
  DATA ( -  
  NAME ( TEST01.DATA1 ) -  
  ) -  
  INDEX ( -  
  NAME ( TEST01.INDEX1 ) -  
  )
```

IDC0508I DATA ALLOCATION STATUS FOR VOLUME TEST01 IS 0

IDC0509I INDEX ALLOCATION STATUS FOR VOLUME TEST01 IS 0

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

```
DEFINE CLUSTER ( -  
  NAME ( TEST01.CLUSTER2 ) -  
  VOLUMES ( TEST01 ) -  
  RECORDSIZE ( 125 125 ) -  
  CYLINDERS ( 720 ) -  
  KEYS ( 9 0 ) -  
  INDEXED -  
  UNIQUE -  
  ) -  
  DATA ( -  
  NAME ( TEST01.DATA2 ) -  
  ) -  
  INDEX ( -  
  NAME ( TEST01.INDEX2 ) -  
  )
```

IDC0508I DATA ALLOCATION STATUS FOR VOLUME TEST01 IS 0

IDC0509I INDEX ALLOCATION STATUS FOR VOLUME TEST01 IS 0

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

```
DEFINE CLUSTER ( -  
  NAME ( TEST01.CLUSTER3 ) -  
  VOLUMES ( TEST01 ) -  
  RECORDSIZE ( 125 125 ) -  
  CYLINDERS ( 720 ) -  
  KEYS ( 9 0 ) -  
  INDEXED -  
  UNIQUE -  
 ) -  
  DATA ( -  
  NAME ( TEST01.DATA3 ) -  
  ) -  
  INDEX ( -  
  NAME ( TEST01.INDEX3 ) -  
  )
```

IDC0508I DATA ALLOCATION STATUS FOR VOLUME TEST01 IS 0

IDC0509I INDEX ALLOCATION STATUS FOR VOLUME TEST01 IS 0

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

IDC0002I IDCAMS PROCESSING COMPLETE. MAXIMUM CONDITION CODE WAS 0

1

```

00001 IDENTIFICATION DIVISION.
00002 PROGRAM-ID. VSAMCR.
00003 AUTHOR. JAY MOSELEY.
00004 DATE-WRITTEN. FEBRUARY 19, 2025.
00005 DATE-COMPILED. FEB 19, 202.
00006 REMARKS. WRITE/READ VSAM KSDS CLUSTER ON 3390-2 WITH 2,184
00007 CYLINDERS.
00008
00009 ENVIRONMENT DIVISION.
00010 CONFIGURATION SECTION.
00011 SOURCE-COMPUTER. IBM-370.
00012 OBJECT-COMPUTER. IBM-370.
00013
00014 INPUT-OUTPUT SECTION.
00015 FILE-CONTROL.
00016
00017 DATA DIVISION.
00018 FILE SECTION.
00019
00020 WORKING-STORAGE SECTION.
00021
00022 77 RECORD-COUNTER PIC 9(9) VALUE 0.
00023 77 MAXIMUM-RECORD-COUNTER PIC 9(9) VALUE 4132788.
00024 77 PATTERN-INDEX PIC S9(8) COMP VALUE +1.
00025
00026 01 VSIO-PARAMETER-VALUES COPY VSAMIO.
00027 C 000100* ***** *06980000
00028 C 000200* *06990000
00029 C 000300* VV VV SSSSS A M M I III OOOO *07000000
00030 C 000400* VV VV SS SS AAA MM MM II OO OO *07010000
00031 C 000500* VV VV SS AA AA MMM MMM II OO OO *07020000
00032 C 000600* VV VV SSSSS AA AA MMMMMMMM II OO OO *07030000
00033 C 000700* VV VV SS AA AA MM M MM II OO OO *07040000
00034 C 000800* VV VV SS SS AAAAAA MM MM II OO OO *07050000
00035 C 000900* VVV SS SS AA AA MM MM II OO OO *07060000
00036 C 001000* V SSSSS AA AA MM MM I III OOOO *07070000
00037 C 001100* *07080000
00038 C 001200* ***** *07090000
00039 C 001300* *07100000
00040 C 001400* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *07110000
00041 C 001500* ACCESS ROUTINE. *07120000
00042 C 001600* *07130000
00043 C 001700* THE VSIO-PARAMETER-VALUES SUPPLY THE VALUES USED TO MOVE INTO *07140000
00044 C 001800* PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET *07150000
00045 C 001900* AND TO PROVIDE COMMANDS TO DRIVE THE ROUTINE. *07160000
00046 C 002000* ***** *07170000
00047 C 002100 01 VSIO-PARAMETER-VALUES. 07180000
00048 C 002200 02 VSIO-OPEN PIC X(08) VALUE 'OPEN ' . 07190000
00049 C 002300 02 VSIO-CLOSE PIC X(08) VALUE 'CLOSE ' . 07200000
00050 C 002400 02 VSIO-READ PIC X(08) VALUE 'READ ' . 07210000
00051 C 002500 02 VSIO-WRITE PIC X(08) VALUE 'WRITE ' . 07220000
00052 C 002600 02 VSIO-REWRITE PIC X(08) VALUE 'REWRITE ' . 07230000
00053 C 002700 02 VSIO-DELETE PIC X(08) VALUE 'DELETE ' . 07240000
00054 C 002800 02 VSIO-START-KEY-EQUAL PIC X(08) VALUE 'STARTEQ ' . 07250000

```

```

00055 C 002900      02 VSIO-START-KEY-NOTLESS PIC X(08) VALUE 'STARTGE ' . 07260000
00056 C 003000      02 VSIO-KSDS PIC X(04) VALUE 'KSDS' . 07270000
00057 C 003100      02 VSIO-ESDS PIC X(04) VALUE 'ESDS' . 07280000
00058 C 003200      02 VSIO-RRDS PIC X(04) VALUE 'RRDS' . 07290000
00059 C 003300      02 VSIO-SEQUENTIAL PIC X(10) VALUE 'SEQUENTIAL' . 07300000
00060 C 003400      02 VSIO-DIRECT PIC X(10) VALUE 'DIRECT ' . 07310000
00061 C 003500      02 VSIO-DYNAMIC PIC X(10) VALUE 'DYNAMIC ' . 07320000
00062 C 003600      02 VSIO-INPUT PIC X(06) VALUE 'INPUT ' . 07330000
00063 C 003700      02 VSIO-OUTPUT PIC X(06) VALUE 'OUTPUT' . 07340000
00064 C 003800      02 VSIO-INPUT-OUTPUT PIC X(06) VALUE 'UPDATE' . 07350000
00065 C 003900      07360000
00066 C 004000* ***** *07370000
00067 C 004100* THE VSIO-PARAMETER-BLOCK IS THE COMMUNICATION INTERFACE TO *07380000
00068 C 004200* THE ROUTINE. *07390000
00069 C 004300* ***** *07400000
00070 C 004400 01 VSIO-PARAMETER-BLOCK. 07410000
00071 C 004500      02 VSIO-COMMAND PIC X(08). 07420000
00072 C 004600      02 VSIO-RETURN-CODE PIC S9(04) COMP. 07430000
00073 C 004700      88 VSIO-SUCCESS VALUE +0. 07440000
00074 C 004800      88 VSIO-LOGIC-ERROR VALUE +8. 07450000
00075 C 004900      88 VSIO-END-OF-FILE VALUE +9999. 07460000
00076 C 005000      88 VSIO-PARAMETER-ERROR VALUE +20 THRU +28. 07470000
00077 C 005100      88 VSIO-COMMAND-UNKNOWN VALUE +20. 07480000
00078 C 005200      88 VSIO-DATASET-ALREADY-OPEN VALUE +21. 07490000
00079 C 005300      88 VSIO-DATASET-NOT-OPEN VALUE +22. 07500000
00080 C 005400      88 VSIO-ORGANIZATION-KEYWORD VALUE +23. 07510000
00081 C 005500      88 VSIO-ACCESS-KEYWORD VALUE +24. 07520000
00082 C 005600      88 VSIO-ACCESS-UNSUPPORTED VALUE +25. 07530000
00083 C 005700      88 VSIO-MODE-KEYWORD VALUE +26. 07540000
00084 C 005800      88 VSIO-MODE-UNSUPPORTED VALUE +27. 07550000
00085 C 005900      88 VSIO-DDNAME-BLANK VALUE +28. 07560000
00086 C 006000      02 VSIO-VSAM-RETURN-CODE PIC S9(04) COMP. 07570000
00087 C 006100      02 VSIO-VSAM-FUNCTION-CODE PIC S9(04) COMP. 07580000
00088 C 006200      02 VSIO-VSAM-FEEDBACK-CODE PIC S9(04) COMP. 07590000
00089 C 006300      88 VSIO-DUPLICATE-RECORD VALUE +8. 07600000
00090 C 006400      88 VSIO-SEQUENCE-ERROR VALUE +12. 07610000
00091 C 006500      88 VSIO-RECORD-NOT-FOUND VALUE +16. 07620000
00092 C 006600      88 VSIO-NO-MORE-SPACE VALUE +28. 07630000
00093 C 006700      88 VSIO-READ-WITHOUT-START VALUE +88. 07640000
00094 C 006800* ***** *07650000
00095 C 006900* END OF VSAMIO COPY BOOK *07660000
00096 C 007000* ***** *07670000
00097      01 KSDSF01 COPY VSAMIOFB.
00098 C 000100* ***** *00000100
00099 C 000200* ***** *00000200
00100 C 000300* VV VV SSSSS A M M IIII OOOO FFFFFFFF BBBB *00000300
00101 C 000400* VV VV SS SS AAA MM MM II OO OO FF BB BB *00000400
00102 C 000500* VV VV SS AA AA MMM MMM II OO OO FF BB BB *00000500
00103 C 000600* VV VV SSSSS AA AA MMMMMMMM II OO OO FFFFF BBBB *00000600
00104 C 000700* VV VV SS AA AA MM M MM II OO OO FF BB BB *00000700
00105 C 000800* VV VV SS SS AAAAAA MM MM II OO OO FF BB BB *00000800
00106 C 000900* VVV SS SS AA AA MM MM II OO OO FF BB BB *00000900
00107 C 001000* V SSSSS AA AA MM MM IIII OOOO FF BBBB *00001000
00108 C 001100* ***** *00001100
00109 C 001200* ***** *00001200
00110 C 001300* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *00001300
00111 C 001400* ACCESS ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS *00001400

```

```

00112 C 001500* FOR A SINGLE VSAM DATASET. *00001500
00113 C 001600* *00001600
00114 C 001700* WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE *00001700
00115 C 001800* VARIABLE LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE *00001800
00116 C 001900* RELATIVE RECORD DATASETS) THESE DATA NAMES MUST BE POPULATED *00001900
00117 C 002000* PRIOR TO CALLING THE ROUTINE TO OPEN THE DATASET AND MUST NOT *00002000
00118 C 002100* THEN BE CHANGED UNTIL THE DATASET HAS BEEN CLOSED. *00002100
00119 C 002200* ***** *00002200
00120 C 002300 01 KSDSF01. 00002300
00121 C 002400 02 VSIO-DDNAME PIC X(08) VALUE SPACES. 00002400
00122 C 002500 02 VSIO-ORGANIZATION PIC X(04) VALUE SPACES. 00002500
00123 C 002600 02 VSIO-ACCESS PIC X(10) VALUE SPACES. 00002600
00124 C 002700 02 VSIO-MODE PIC X(06) VALUE SPACES. 00002700
00125 C 002800 02 VSIO-RECORD-LENGTH PIC S9(04) COMP VALUE +0. 00002800
00126 C 002900 02 VSIO-KEY-ARGUMENT. 00002900
00127 C 003000 03 VSIO-KEY-POSITION PIC S9(04) COMP VALUE +0. 00003000
00128 C 003100 03 VSIO-KEY-LENGTH PIC S9(04) COMP VALUE +0. 00003100
00129 C 003200 02 VSIO-RELATIVE-RECORD REDEFINES VSIO-KEY-ARGUMENT 00003200
00130 C 003300 PIC S9(08) COMP. 00003300
00131 C 003400 02 FILLER PIC X(01) VALUE 'C'. 00003400
00132 C 003500 88 VSIO-FILE-OPEN VALUE 'O'. 00003500
00133 C 003600 88 VSIO-FILE-CLOSED VALUE 'C'. 00003600
00134 C 003700 02 FILLER PIC X(161). 00003700
00135 C 003800* ***** *00003800
00136 C 003900* END OF VSAMIOFB COPY BOOK *00003900
00137 C 004000* ***** *00004000
00138 01 KSDS-RECORD PIC X(125).
00139 01 FILLER REDEFINES KSDS-RECORD.
00140 03 KSDS-COUNTER PIC 9(9)B.
00141 03 KSDS-PATTERN PIC X(115).
00142
00143 01 PATTERN-TABLE.
00144 03 FILLER PIC X(115) VALUE ALL 'A'.
00145 03 FILLER PIC X(115) VALUE ALL 'B'.
00146 03 FILLER PIC X(115) VALUE ALL 'C'.
00147 03 FILLER PIC X(115) VALUE ALL 'D'.
00148 03 FILLER PIC X(115) VALUE ALL 'E'.
00149 03 FILLER PIC X(115) VALUE ALL 'F'.
00150 03 FILLER PIC X(115) VALUE ALL 'G'.
00151 03 FILLER PIC X(115) VALUE ALL 'H'.
00152 03 FILLER PIC X(115) VALUE ALL 'I'.
00153 03 FILLER PIC X(115) VALUE ALL 'J'.
00154 03 FILLER PIC X(115) VALUE ALL 'K'.
00155 03 FILLER PIC X(115) VALUE ALL 'L'.
00156 03 FILLER PIC X(115) VALUE ALL 'M'.
00157 03 FILLER PIC X(115) VALUE ALL 'N'.
00158 03 FILLER PIC X(115) VALUE ALL 'O'.
00159 03 FILLER PIC X(115) VALUE ALL 'P'.
00160 03 FILLER PIC X(115) VALUE ALL 'Q'.
00161 03 FILLER PIC X(115) VALUE ALL 'R'.
00162 03 FILLER PIC X(115) VALUE ALL 'S'.
00163 03 FILLER PIC X(115) VALUE ALL 'T'.
00164 03 FILLER PIC X(115) VALUE ALL 'U'.
00165 03 FILLER PIC X(115) VALUE ALL 'V'.
00166 03 FILLER PIC X(115) VALUE ALL 'W'.
00167 03 FILLER PIC X(115) VALUE ALL 'X'.
00168 03 FILLER PIC X(115) VALUE ALL 'Y'.

```

```
00169          03 FILLER                PIC X(115) VALUE ALL 'Z'.
00170    01 FILLER                      REDEFINES PATTERN-TABLE.
00171          03 PATTERN-DATA          OCCURS 26 TIMES
00172                                         PIC X(115).
00173
00174    PROCEDURE DIVISION.
00175
00176    010-INITIATE-WRITE.
00177          MOVE 'KSDSF01' TO VSIO-DDNAME.
00178          MOVE VSIO-KSDS TO VSIO-ORGANIZATION.
00179          MOVE VSIO-SEQUENTIAL TO VSIO-ACCESS.
00180          MOVE VSIO-OUTPUT TO VSIO-MODE.
00181          MOVE +125 TO VSIO-RECORD-LENGTH.
00182          MOVE +0 TO VSIO-KEY-POSITION.
00183          MOVE +9 TO VSIO-KEY-LENGTH.
00184          MOVE VSIO-OPEN TO VSIO-COMMAND.
00185          CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,
00186                      KSDS-RECORD.
00187          IF NOT VSIO-SUCCESS
00188              DISPLAY 'VSAMIO ERROR OCCURRED DURING ' VSIO-COMMAND
00189              EXHIBIT NAMED VSIO-RETURN-CODE,
00190              EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00191                      VSIO-VSAM-FUNCTION-CODE,
00192                      VSIO-VSAM-FEEDBACK-CODE
00193          STOP RUN.
00194
00195    020-PROCESS-WRITE.
00196          PERFORM 070-WRITERECORD THRU 080-EXIT
00197              VARYING RECORD-COUNTER
00198              FROM 1 BY 1
00199              UNTIL (RECORD-COUNTER > MAXIMUM-RECORD-COUNTER)
00200              OR      (NOT VSIO-SUCCESS).
00201
00202          DISPLAY MAXIMUM-RECORD-COUNTER ' RECORDS WRITTEN'
00203              UPON SYSOUT.
00204
00205    030-TERMINATE-WRITE.
00206          MOVE VSIO-CLOSE TO VSIO-COMMAND.
00207          CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,
00208                      KSDS-RECORD.
00209          IF NOT VSIO-SUCCESS
00210              DISPLAY 'VSAMIO ERROR OCCURRED DURING ' VSIO-COMMAND
00211              EXHIBIT NAMED VSIO-RETURN-CODE,
00212              EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00213                      VSIO-VSAM-FUNCTION-CODE,
00214                      VSIO-VSAM-FEEDBACK-CODE.
00215
00216    040-INITIATE-READ.
00217          MOVE 'KSDSF01' TO VSIO-DDNAME.
00218          MOVE VSIO-KSDS TO VSIO-ORGANIZATION.
00219          MOVE VSIO-SEQUENTIAL TO VSIO-ACCESS.
00220          MOVE VSIO-INPUT TO VSIO-MODE.
00221          MOVE +125 TO VSIO-RECORD-LENGTH.
00222          MOVE +0 TO VSIO-KEY-POSITION.
00223          MOVE +9 TO VSIO-KEY-LENGTH.
00224          MOVE VSIO-OPEN TO VSIO-COMMAND.
00225          CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,
```

```
00226             KSDS-RECORD.
00227     IF NOT VSIO-SUCCESS
00228         DISPLAY 'VSAMIO ERROR OCCURRED DURING ' VSIO-COMMAND
00229         EXHIBIT NAMED VSIO-RETURN-CODE,
00230         EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00231         VSIO-VSAM-FUNCTION-CODE,
00232         VSIO-VSAM-FEEDBACK-CODE
00233     STOP RUN.
00234
00235     050-PROCESS-READ.
00236         PERFORM 090-READRECORD THRU 100-EXIT
00237         VARYING RECORD-COUNTER
00238         FROM 1 BY 1
00239         UNTIL (RECORD-COUNTER > MAXIMUM-RECORD-COUNTER)
00240         OR     (NOT VSIO-SUCCESS).
00241
00242         DISPLAY MAXIMUM-RECORD-COUNTER ' RECORDS READ'
00243         UPON SYSOUT.
00244
00245     060-TERMINATE-READ.
00246         MOVE VSIO-CLOSE TO VSIO-COMMAND.
00247         CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,
00248         KSDS-RECORD.
00249     IF NOT VSIO-SUCCESS
00250         DISPLAY 'VSAMIO ERROR OCCURRED DURING ' VSIO-COMMAND
00251         EXHIBIT NAMED VSIO-RETURN-CODE,
00252         EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00253         VSIO-VSAM-FUNCTION-CODE,
00254         VSIO-VSAM-FEEDBACK-CODE.
00255
00256     GOBACK.
00257
00258 * ----- PROGRAM EXIT POINT
00259
00260     070-WRITERECORD.
00261         MOVE RECORD-COUNTER TO KSDS-COUNTER.
00262         MOVE PATTERN-DATA (PATTERN-INDEX) TO KSDS-PATTERN.
00263         ADD +1 TO PATTERN-INDEX.
00264         IF PATTERN-INDEX > +26 MOVE +1 TO PATTERN-INDEX.
00265         MOVE VSIO-WRITE TO VSIO-COMMAND.
00266         CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,
00267         KSDS-RECORD.
00268
00269     IF VSIO-SUCCESS
00270         NEXT SENTENCE
00271     ELSE
00272         IF VSIO-LOGIC-ERROR
00273         AND VSIO-NO-MORE-SPACE
00274             DISPLAY 'INSUFFICIENT SPACE DEFINED IN CLUSTER '
00275             'TO CONTAIN ALL RECORDS - LOADING '
00276             'TERMINATED AT ' KSDS-COUNTER
00277     ELSE
00278         DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00279         VSIO-COMMAND
00280         EXHIBIT NAMED VSIO-RETURN-CODE,
00281         EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00282         VSIO-VSAM-FUNCTION-CODE,
```

```
00283                 VSIO-VSAM-FEEDBACK-CODE.
00284     080-EXIT.
00285         EXIT.
00286 * ----- PERFORM EXIT POINT
00287
00288
00289     090-READRECORD.
00290         MOVE VSIO-READ TO VSIO-COMMAND.
00291         CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,
00292                 KSDS-RECORD.
00293
00294         IF NOT VSIO-SUCCESS
00295             IF VSIO-END-OF-FILE
00296                 MOVE ALL 'E' TO KSDS-RECORD
00297             ELSE
00298                 DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00299                         VSIO-COMMAND
00300                 EXHIBIT NAMED VSIO-RETURN-CODE,
00301                         EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00302                                 VSIO-VSAM-FUNCTION-CODE,
00303                                 VSIO-VSAM-FEEDBACK-CODE
00304                 GO TO 100-EXIT
00305 *         END-IF
00306 *     END-IF.
00307
00308         IF (KSDS-COUNTER NOT = RECORD-COUNTER) OR
00309             (PATTERN-DATA (PATTERN-INDEX) NOT = KSDS-PATTERN)
00310             DISPLAY 'READ ERROR; RECORD=' KSDS-RECORD UPON SYSOUT
00311             DISPLAY 'EXPECTED           ' RECORD-COUNTER
00312                     ' ' PATTERN-DATA (PATTERN-INDEX)
00313                                 UPON SYSOUT.
00314 *     END-IF
00315         ADD +1 TO PATTERN-INDEX.
00316         IF PATTERN-INDEX > +26 MOVE +1 TO PATTERN-INDEX.
00317
00318     100-EXIT.
00319         EXIT.
00320 * ----- PERFORM EXIT POINT
```

```
*STATISTICS*      SOURCE RECORDS =   319      DATA DIVISION STATEMENTS =   94      PROCEDURE DIVISION STATEMENTS =   78
*OPTIONS IN EFFECT*  SIZE = 2097152  BUF = 1048576  LINECNT = 57  SPACE1, FLAGW,  SEQ,  SOURCE
*OPTIONS IN EFFECT*  NODMAP, NOPMAP, NOCLIST,  SUPMAP, NOXREF,  LOAD, NODECK, APOST, NOTRUNC,  LIB, NOVERB
*OPTIONS IN EFFECT*      ZWB
```

F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED LIST,XREF,LET
DEFAULT OPTION(S) USED - SIZE=(65536,38912)

CROSS REFERENCE TABLE

CONTROL SECTION			ENTRY							
NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
VSAMCR	00	1B7C								
ILBODSP0*	1B80	700								
ILBOSTP0*	2280	35								
			ILBOSTP1	2296						
VSAMIO *	22B8	D0A								

LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION	LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION
1038	ILBOSTP0	ILBOSTP0	103C	VSAMIO	VSAMIO
1040	ILBODSP0	ILBODSP0	1044	ILBOSTP1	ILBOSTP0

ENTRY ADDRESS 00

TOTAL LENGTH 2FC8

***RUN DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET

AUTHORIZATION CODE IS 0.

004132788 RECORDS WRITTEN
004132788 RECORDS READ

004132788 RECORDS WRITTEN
004132788 RECORDS READ

004132788 RECORDS WRITTEN
004132788 RECORDS READ

PARM GRAPHICS(CHAIN(SN))

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

LISTC ENT(TEST01.CLUSTER1) ALL

CLUSTER ----- TEST01.CLUSTER1

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.050

RELEASE-----2 EXPIRATION-----00.000

PROTECTION-PSWD----- (NULL) RACF----- (NO)

ASSOCIATIONS

DATA-----TEST01.DATA1

INDEX-----TEST01.INDEX1

DATA ----- TEST01.DATA1

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.050

RELEASE-----2 EXPIRATION-----00.000

PROTECTION-PSWD----- (NULL) RACF----- (NO)

ASSOCIATIONS

CLUSTER--TEST01.CLUSTER1

ATTRIBUTES

KEYLEN-----9 AVGLRECL-----125 BUFSPACE-----66048 CISIZE-----32768

RKP-----0 MAXLRECL-----125 EXCPEXIT----- (NULL) CI/CA-----22

SHROPTNS(1,3) RECOVERY UNIQUE NOERASE INDEXED NOWRITECHK NOIMBED NOREPLICAT

UNORDERED NOREUSE NONSPANNED

STATISTICS

REC-TOTAL-----4132788 SPLITS-CI-----0 EXCPS-----40152

REC-DELETED-----0 SPLITS-CA-----0 EXTENTS-----1

REC-INSERTED-----0 FREESPACE-%CI-----0 SYSTEM-TIMESTAMP:

REC-UPDATED-----0 FREESPACE-%CA-----0 X'E07948E3AA06B000'

REC-RETRIEVED----4132788 FREESPC-BYTES---1441792

ALLOCATION

SPACE-TYPE-----CYLINDER HI-ALLOC-RBA---518324224

SPACE-PRI-----719 HI-USED-RBA---516882432

SPACE-SEC-----0

VOLUME

VOLSER-----TEST01 PHYREC-SIZE-----4096 HI-ALLOC-RBA---518324224 EXTENT-NUMBER-----1

DEVTYPE-----X'3010200F' PHYRECS/TRK-----12 HI-USED-RBA---516882432 EXTENT-TYPE-----X'00'

VOLFLAG-----PRIME TRACKS/CA-----15

EXTENTS:

LOW-CCHH-----X'00010000' LOW-RBA-----0 TRACKS-----10785

HIGH-CCHH-----X'02CF000E' HIGH-RBA-----518324223

INDEX ----- TEST01.INDEX1

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.050

RELEASE-----2 EXPIRATION-----00.000

PROTECTION-PSWD----- (NULL)
ASSOCIATIONS

RACF----- (NO)

CLUSTER--TEST01.CLUSTER1

ATTRIBUTES

KEYLEN-----9
RKP-----0
SHROPTNS(1,3) RECOVERY
NOREUSE

AVGLRECL-----0
MAXLRECL-----505
UNIQUE NOERASE

BUFSPACE-----0
EXCPEXIT----- (NULL)
NOWRITECHK NOIMBED

CISIZE-----512
CI/CA-----49
NOREPLICAT UNORDERED

STATISTICS

REC-TOTAL-----735
REC-DELETED-----0
REC-INSERTED-----0
REC-UPDATED-----0
REC-RETRIEVED-----0

SPLITS-CI-----0
SPLITS-CA-----0
FREESPACE-%CI-----0
FREESPACE-%CA-----0
FREESPC-BYTES-----0

EXCPS-----5092
EXTENTS-----1
SYSTEM-TIMESTAMP:
X'E07948E3AA06B000'

INDEX:
LEVELS-----3
ENTRIES/SECT-----4
SEQ-SET-RBA-----0
HI-LEVEL-RBA-----24576

ALLOCATION

SPACE-TYPE-----TRACK
SPACE-PRI-----15
SPACE-SEC-----0

HI-ALLOC-RBA-----376320
HI-USED-RBA-----376320

VOLUME

VOLSER-----TEST01
DEVTYPE-----X'3010200F'
VOLFLAG-----PRIME
EXTENTS:
LOW-CCHH-----X'02D00000'
HIGH-CCHH-----X'02D0000E'

PHYREC-SIZE-----512
PHYRECS/TRK-----49
TRACKS/CA-----1
LOW-RBA-----0
HIGH-RBA-----376319

HI-ALLOC-RBA-----376320
HI-USED-RBA-----376320
TRACKS-----15

EXTENT-NUMBER-----1
EXTENT-TYPE-----X'00'

THE NUMBER OF ENTRIES PROCESSED WAS:

AIX -----	0
ALIAS -----	0
CLUSTER -----	1
DATA -----	1
GDG -----	0
INDEX -----	1
NONVSAM -----	0
PAGESPACE -----	0
PATH -----	0
SPACE -----	0
USERCATALOG -----	0
TOTAL -----	3

THE NUMBER OF PROTECTED ENTRIES SUPPRESSED WAS 0

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

PRINT INDATASET(TEST01.CLUSTER1) CHAR SKIP(4132738)

LISTC ENT(TEST01.CLUSTER2) ALL

CLUSTER ----- TEST01.CLUSTER2

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.050

RELEASE-----2 EXPIRATION-----00.000

PROTECTION-PSWD----- (NULL) RACF----- (NO)

ASSOCIATIONS

DATA-----TEST01.DATA2

INDEX-----TEST01.INDEX2

DATA ----- TEST01.DATA2

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.050

RELEASE-----2 EXPIRATION-----00.000

PROTECTION-PSWD----- (NULL) RACF----- (NO)

ASSOCIATIONS

CLUSTER--TEST01.CLUSTER2

ATTRIBUTES

KEYLEN-----9 AVGLRECL-----125 BUFSPACE-----66048 CISIZE-----32768

RKP-----0 MAXLRECL-----125 EXCPEXIT----- (NULL) CI/CA-----22

SHROPTNS(1,3) RECOVERY UNIQUE NOERASE INDEXED NOWRITECHK NOIMBED NOREPLICAT

UNORDERED NOREUSE NONSPANNED

STATISTICS

REC-TOTAL-----4132788 SPLITS-CI-----0 EXCPS-----40152

REC-DELETED-----0 SPLITS-CA-----0 EXTENTS-----1

REC-INSERTED-----0 FREESPACE-%CI-----0 SYSTEM-TIMESTAMP:

REC-UPDATED-----0 FREESPACE-%CA-----0 X'E079490723210000'

REC-RETRIEVED----4132788 FREESPC-BYTES----1441792

ALLOCATION

SPACE-TYPE-----CYLINDER HI-ALLOC-RBA---518324224

SPACE-PRI-----719 HI-USED-RBA---516882432

SPACE-SEC-----0

VOLUME

VOLSER-----TEST01 PHYREC-SIZE-----4096 HI-ALLOC-RBA---518324224 EXTENT-NUMBER-----1

DEVTYPE-----X'3010200F' PHYRECS/TRK-----12 HI-USED-RBA---516882432 EXTENT-TYPE-----X'00'

VOLFLAG-----PRIME TRACKS/CA-----15

EXTENTS:

LOW-CCHH-----X'02D10000' LOW-RBA-----0 TRACKS-----10785

HIGH-CCHH-----X'059F000E' HIGH-RBA-----518324223

INDEX ----- TEST01.INDEX2

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.050

RELEASE-----2 EXPIRATION-----00.000

PROTECTION-PSWD----- (NULL) RACF----- (NO)

ASSOCIATIONS

CLUSTER--TEST01.CLUSTER2

ATTRIBUTES

KEYLEN-----9	AVGLRECL-----0	BUFSPACE-----0	CISIZE-----512
RKP-----0	MAXLRECL-----505	EXCPEXIT----- (NULL)	CI/CA-----49
SHROPTNS(1,3) RECOVERY	UNIQUE NOERASE	NOWRITECHK NOIMBED	NOREPLICAT UNORDERED

NOREUSE

STATISTICS

REC-TOTAL-----735	SPLITS-CI-----0	EXCPS-----5092	INDEX:
REC-DELETED-----0	SPLITS-CA-----0	EXTENTS-----1	LEVELS-----3
REC-INSERTED-----0	FREESPACE-%CI-----0	SYSTEM-TIMESTAMP:	ENTRIES/SECT-----4
REC-UPDATED-----0	FREESPACE-%CA-----0	X'E079490723210000'	SEQ-SET-RBA-----0
REC-RETRIEVED-----0	FREESPC-BYTES-----0		HI-LEVEL-RBA-----24576

ALLOCATION

SPACE-TYPE-----TRACK	HI-ALLOC-RBA-----376320
SPACE-PRI-----15	HI-USED-RBA-----376320
SPACE-SEC-----0	

VOLUME

VOLSER-----TEST01	PHYREC-SIZE-----512	HI-ALLOC-RBA-----376320	EXTENT-NUMBER-----1
DEVTYPE-----X'3010200F'	PHYRECS/TRK-----49	HI-USED-RBA-----376320	EXTENT-TYPE-----X'00'
VOLFLAG-----PRIME	TRACKS/CA-----1		
EXTENTS:			
LOW-CCHH-----X'05A00000'	LOW-RBA-----0	TRACKS-----15	
HIGH-CCHH-----X'05A0000E'	HIGH-RBA-----376319		

THE NUMBER OF ENTRIES PROCESSED WAS:

AIX -----	0
ALIAS -----	0
CLUSTER -----	1
DATA -----	1
GDG -----	0
INDEX -----	1
NONVSAM -----	0
PAGESPACE -----	0
PATH -----	0
SPACE -----	0
USERCATALOG -----	0
TOTAL -----	3

THE NUMBER OF PROTECTED ENTRIES SUPPRESSED WAS 0

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

PRINT INDATASET(TEST01.CLUSTER2) CHAR SKIP(4132738)

LISTC ENT(TEST01.CLUSTER3) ALL

CLUSTER ----- TEST01.CLUSTER3

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.050

RELEASE-----2 EXPIRATION-----00.000

PROTECTION-PSWD----- (NULL) RACF----- (NO)

ASSOCIATIONS

DATA-----TEST01.DATA3

INDEX-----TEST01.INDEX3

DATA ----- TEST01.DATA3

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.050

RELEASE-----2 EXPIRATION-----00.000

PROTECTION-PSWD----- (NULL) RACF----- (NO)

ASSOCIATIONS

CLUSTER--TEST01.CLUSTER3

ATTRIBUTES

KEYLEN-----9 AVGLRECL-----125 BUFSPACE-----66048 CISIZE-----32768

RKP-----0 MAXLRECL-----125 EXCPEXIT----- (NULL) CI/CA-----22

SHROPTNS(1,3) RECOVERY UNIQUE NOERASE INDEXED NOWRITECHK NOIMBED NOREPLICAT

UNORDERED NOREUSE NONSPANNED

STATISTICS

REC-TOTAL-----4132788 SPLITS-CI-----0 EXCPS-----40152

REC-DELETED-----0 SPLITS-CA-----0 EXTENTS-----1

REC-INSERTED-----0 FREESPACE-%CI-----0 SYSTEM-TIMESTAMP:

REC-UPDATED-----0 FREESPACE-%CA-----0 X'E079492ADB7AA000'

REC-RETRIEVED----4132788 FREESPC-BYTES----1441792

ALLOCATION

SPACE-TYPE-----CYLINDER HI-ALLOC-RBA---518324224

SPACE-PRI-----719 HI-USED-RBA---516882432

SPACE-SEC-----0

VOLUME

VOLSER-----TEST01 PHYREC-SIZE-----4096 HI-ALLOC-RBA---518324224 EXTENT-NUMBER-----1

DEVTYPE-----X'3010200F' PHYRECS/TRK-----12 HI-USED-RBA---516882432 EXTENT-TYPE-----X'00'

VOLFLAG-----PRIME TRACKS/CA-----15

EXTENTS:

LOW-CCHH-----X'05A10000' LOW-RBA-----0 TRACKS-----10785

HIGH-CCHH-----X'086F000E' HIGH-RBA-----518324223

INDEX ----- TEST01.INDEX3

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.050

RELEASE-----2 EXPIRATION-----00.000

PROTECTION-PSWD----- (NULL) RACF----- (NO)

ASSOCIATIONS

CLUSTER--TEST01.CLUSTER3

ATTRIBUTES

KEYLEN-----9	AVGLRECL-----0	BUFSPACE-----0	CISIZE-----512
RKP-----0	MAXLRECL-----505	EXCPEXIT----- (NULL)	CI/CA-----49
SHROPTNS(1,3) RECOVERY	UNIQUE NOERASE	NOWRITECHK NOIMBED	NOREPLICAT UNORDERED
NOREUSE			

STATISTICS

REC-TOTAL-----735	SPLITS-CI-----0	EXCPS-----5092	INDEX:
REC-DELETED-----0	SPLITS-CA-----0	EXTENTS-----1	LEVELS-----3
REC-INSERTED-----0	FREESPACE-%CI-----0	SYSTEM-TIMESTAMP:	ENTRIES/SECT-----4
REC-UPDATED-----0	FREESPACE-%CA-----0	X'E079492ADB7AA000'	SEQ-SET-RBA-----0
REC-RETRIEVED-----0	FREESPC-BYTES-----0		HI-LEVEL-RBA-----24576

ALLOCATION

SPACE-TYPE-----TRACK	HI-ALLOC-RBA-----376320
SPACE-PRI-----15	HI-USED-RBA-----376320
SPACE-SEC-----0	

VOLUME

VOLSER-----TEST01	PHYREC-SIZE-----512	HI-ALLOC-RBA-----376320	EXTENT-NUMBER-----1
DEVTYPE-----X'3010200F'	PHYRECS/TRK-----49	HI-USED-RBA-----376320	EXTENT-TYPE-----X'00'
VOLFLAG-----PRIME	TRACKS/CA-----1		
EXTENTS:			
LOW-CCHH-----X'08700000'	LOW-RBA-----0	TRACKS-----15	
HIGH-CCHH-----X'0870000E'	HIGH-RBA-----376319		

THE NUMBER OF ENTRIES PROCESSED WAS:

AIX -----	0
ALIAS -----	0
CLUSTER -----	1
DATA -----	1
GDG -----	0
INDEX -----	1
NONVSAM -----	0
PAGESPACE -----	0
PATH -----	0
SPACE -----	0
USERCATALOG -----	0
TOTAL -----	3

THE NUMBER OF PROTECTED ENTRIES SUPPRESSED WAS 0

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

PRINT INDATASET(TEST01.CLUSTER3) CHAR SKIP(4132738)

IDC0002I IDCAMS PROCESSING COMPLETE. MAXIMUM CONDITION CODE WAS 0