

J E S 2 J O B L O G

15.16.05 JOB 1605 IEF677I WARNING MESSAGE(S) FOR JOB VSU33802 ISSUED
15.16.05 JOB 1605 \$HASP373 VSU33802 STARTED - INIT 1 - CLASS A - SYS HMVS
15.16.05 JOB 1605 IEF403I VSU33802 - STARTED - TIME=15.16.05
15.16.05 JOB 1605 IEFACTRT IDCAMS /IDCAMS /00:00:00.10/00:00:00.12/00000/VSU33802
15.16.05 JOB 1605 IEC130I SYSPUNCH DD STATEMENT MISSING
15.16.05 JOB 1605 IEC130I SYSPUNCH DD STATEMENT MISSING
15.16.05 JOB 1605 IEFACTRT COB /IKFCBL00/00:00:00.05/00:00:00.08/00000/VSU33802
15.16.05 JOB 1605 IEFACTRT LKED /IEWL /00:00:00.01/00:00:00.04/00000/VSU33802
15.16.31 JOB 1605 IEFACTRT GO /PGM=*.DD/00:00:24.27/00:00:25.66/00000/VSU33802
15.16.57 JOB 1605 IEFACTRT GO2 /RUN /00:00:24.29/00:00:25.56/00000/VSU33802
15.17.22 JOB 1605 IEFACTRT GO3 /RUN /00:00:24.17/00:00:25.49/00000/VSU33802
15.17.55 JOB 1605 IEFACTRT IDCAMS /IDCAMS /00:00:31.91/00:00:33.20/00000/VSU33802
15.17.55 JOB 1605 IEF404I VSU33802 - ENDED - TIME=15.17.55
15.17.55 JOB 1605 \$HASP395 VSU33802 ENDED

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

20 FEB 25 JOB EXECUTION DATE

110 CARDS READ

1,584 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

1.83 MINUTES EXECUTION TIME

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1 //VSU33802 JOB (001),'TEST 3380-2 ',CLASS=A,MSGCLASS=X, JOB 1605
// NOTIFY=JAY01 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 //SYS PRINT DD SYSOUT=*
5 //SYS IN 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 XXSYS PRINT 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.SYS IN DD DISP=SHR,DSN=JAY01.BIGDASD.TEST.SOURCE(E04C)
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 XXSYS PRINT 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=TEST05.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=TEST05.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=TEST05.CLUSTER3,DISP=OLD
***
40 //IDCAMS EXEC PGM=IDCAMS,REGION=1024K
41 //SYS PRINT DD SYSOUT=*
42 //SYS IN DD *

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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 VSU33802 IDCAMS

IEF237I 180 ALLOCATED TO JOBCAT
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSIN
IEF237I 383 ALLOCATED TO SYS00001

IEF285I TEST05.CLUSTER1 KEPT *-----0
IEF285I VOL SER NOS= TEST05.

IEF237I 383 ALLOCATED TO SYS00002
IEF285I TEST05.CLUSTER2 KEPT *-----0
IEF285I VOL SER NOS= TEST05.

IEF237I 383 ALLOCATED TO SYS00003
IEF285I TEST05.CLUSTER3 KEPT *-----0
IEF285I VOL SER NOS= TEST05.

IEF237I 383 ALLOCATED TO SYS00004
IEF237I 383 ALLOCATED TO SYS00006

IEF285I SYS25051.T151605.RA000.VSU33802.R0000004 KEPT *-----0
IEF285I VOL SER NOS= TEST05.

IEF285I SYS25051.T151605.RA000.VSU33802.R0000006 KEPT *-----0
IEF285I VOL SER NOS= TEST05.

IEF237I 383 ALLOCATED TO SYS00008
IEF237I 383 ALLOCATED TO SYS00010

IEF285I SYS25051.T151605.RA000.VSU33802.R0000008 KEPT *-----0
IEF285I VOL SER NOS= TEST05.

IEF285I SYS25051.T151605.RA000.VSU33802.R0000010 KEPT *-----0
IEF285I VOL SER NOS= TEST05.

IEF237I 383 ALLOCATED TO SYS00012
IEF237I 383 ALLOCATED TO SYS00014

IEF285I SYS25051.T151605.RA000.VSU33802.R0000012 KEPT *-----0
IEF285I VOL SER NOS= TEST05.

IEF285I SYS25051.T151605.RA000.VSU33802.R0000014 KEPT *-----0
IEF285I VOL SER NOS= TEST05.

IEF142I VSU33802 IDCAMS - STEP WAS EXECUTED - COND CODE 0000
IEF285I UCPUB000 KEPT *-----0
IEF285I VOL SER NOS= PUB000.

IEF285I JES2.JOB01605.SO0103 SYSOUT
IEF285I JES2.JOB01605.SI0101 SYSIN

IEF373I STEP /IDCAMS / START 25051.1516

IEF374I STEP /IDCAMS / STOP 25051.1516 CPU 0MIN 00.09SEC SRB 0MIN 00.01SEC VIRT 284K SYS 240K

**** JOB NAME: VSU33802 JOBCARD READ 2025/051 15:16:05 370/148 VS2 R03.8 HMVS *****

*
* STEP NUMBER: 1 USER CORE: 284K START TIME: 15:16:05 CPU TIME: 00:00:00.10 ACTIVE TIME: 00:00:00.11 *
* STEP NAME: IDCAMS SYSTEM CORE: 240K STOP TIME: 15:16:05 SRB TIME: 00:00:00.01 ALLOC TIME: 15:16:05 *
* PROGRAM NAME: IDCAMS REGION SIZE: 4096K ELAPSED TIME: 00:00:00.12 TCB TIME: 00:00:00.09 PROGRAM LOAD: 15:16:05 *
* CONDITION CODE: 00000 PERFORMANCE GROUP: 004 *
* JES2 CARDS: 6 SERVICE UNITS PAGES IN/OUT # SWAPS PAGES SWAP IN/OUT VIO PAGES IN/OUT *
* 86 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 VSU33802 COB CREATE

IEF237I 180 ALLOCATED TO JOBCAT
IEF237I 253 ALLOCATED TO STEPLIB
IEF237I 253 ALLOCATED TO SYS00024
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I 390 ALLOCATED TO SYSUT1

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IEF237I 251 ALLOCATED TO SYSUT2
IEF237I 281 ALLOCATED TO SYSUT3
IEF237I 252 ALLOCATED TO SYSUT4
IEF237I 281 ALLOCATED TO SYSLIN
IEF237I 253 ALLOCATED TO SYSLIB
IEF237I 280 ALLOCATED TO SYSIN
IEC130I SYSPUNCH DD STATEMENT MISSING
IEC130I SYSPUNCH DD STATEMENT MISSING
IEF142I VSU33802 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.JOB01605.S00104 SYSOUT
IEF285I SYS25051.T151605.RA000.VSU33802.R0000001 DELETED *-----6
IEF285I VOL SER NOS= WORK03.
IEF285I SYS25051.T151605.RA000.VSU33802.R0000002 DELETED *-----6
IEF285I VOL SER NOS= WORK00.
IEF285I SYS25051.T151605.RA000.VSU33802.R0000003 DELETED *-----9
IEF285I VOL SER NOS= MVS381.
IEF285I SYS25051.T151605.RA000.VSU33802.R0000004 DELETED *-----8
IEF285I VOL SER NOS= WORK01.
IEF285I SYS25051.T151605.RA000.VSU33802.LOADSET PASSED *-----131
IEF285I VOL SER NOS= MVS381.
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 25051.1516
IEF374I STEP /COB / STOP 25051.1516 CPU 0MIN 00.04SEC SRB 0MIN 00.01SEC VIRT 2076K SYS 236K
*****
*
* STEP NUMBER: 2 USER CORE: 2076K START TIME: 15:16:05 CPU TIME: 00:00:00.05 ACTIVE TIME: 00:00:00.05 *
* STEP NAME: COB SYSTEM CORE: 236K STOP TIME: 15:16:05 SRB TIME: 00:00:00.01 ALLOC TIME: 15:16:05 *
* PROGRAM NAME: IKFCBL00 REGION SIZE: 4096K ELAPSED TIME: 00:00:00.08 TCB TIME: 00:00:00.04 PROGRAM LOAD: 15:16:05 *
* 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 6 251/D3350 6 281/D3380 9 *
* 252/D3350 8 281/D3380 131 253/D3350 6 280/D3380 2 *
*****
IEF236I ALLOC. FOR VSU33802 LKED CREATE
IEF237I 180 ALLOCATED TO JOBCAT
IEF237I 281 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 SYS00027
IEF237I 252 ALLOCATED TO SYSUT1
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF142I VSU33802 LKED CREATE - STEP WAS EXECUTED - COND CODE 0000
IEF285I UCPUB000 KEPT *-----0
IEF285I VOL SER NOS= PUB000.
IEF285I SYS25051.T151605.RA000.VSU33802.LOADSET DELETED *-----132
IEF285I VOL SER NOS= MVS381.
IEF285I JAY01.TEST.LOAD PASSED *-----12

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IEF285I VOL SER NOS= WORK03.
IEF285I SYSC.LINKLIB KEPT *-----27
IEF285I VOL SER NOS= SYSCPK.
IEF285I SYSC.COBLIB KEPT *-----0
IEF285I VOL SER NOS= SYSCPK.
IEF285I UCSYSCPK KEPT *-----0
IEF285I VOL SER NOS= SYSCPK.
IEF285I SYS25051.T151605.RA000.VSU33802.R0000005 DELETED *-----0
IEF285I VOL SER NOS= WORK01.
IEF285I JES2.JOB01605.S00105 SYSOUT
IEF373I STEP /LKED / START 25051.1516
IEF374I STEP /LKED / STOP 25051.1516 CPU 0MIN 00.01SEC SRB 0MIN 00.00SEC VIRT 96K SYS 220K
*****
*
* STEP NUMBER: 3 USER CORE: 96K START TIME: 15:16:05 CPU TIME: 00:00:00.01 ACTIVE TIME: 00:00:00.02 *
* STEP NAME: LKED SYSTEM CORE: 220K STOP TIME: 15:16:05 SRB TIME: 00:00:00.00 ALLOC TIME: 15:16:05 *
* PROGRAM NAME: IEWL REGION SIZE: 96K ELAPSED TIME: 00:00:00.04 TCB TIME: 00:00:00.01 PROGRAM LOAD: 15:16:05 *
* 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 0 281/D3380 132 390/D3390 12 253/D3350 27 253/D3350 0 253/D3350 0 *
* 252/D3350 0 *
*****
IEF236I ALLOC. FOR VSU33802 GO CREATE
IEF237I 180 ALLOCATED TO JOBCAT
IEF237I 390 ALLOCATED TO PGM=*.DD
IEF237I JES2 ALLOCATED TO SYSOUT
IEF237I JES2 ALLOCATED TO SYSUDUMP
IEF237I 383 ALLOCATED TO KSDSF01
IEF142I VSU33802 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.JOB01605.S00106 SYSOUT
IEF285I JES2.JOB01605.S00107 SYSOUT
IEF285I TEST05.CLUSTER1 KEPT *---31,236
IEF285I VOL SER NOS= TEST05.
IEF373I STEP /GO / START 25051.1516
IEF374I STEP /GO / STOP 25051.1516 CPU 0MIN 23.76SEC SRB 0MIN 00.51SEC VIRT 112K SYS 228K
*****
*
* STEP NUMBER: 4 USER CORE: 112K START TIME: 15:16:05 CPU TIME: 00:00:24.27 ACTIVE TIME: 00:00:25.65 *
* STEP NAME: GO SYSTEM CORE: 228K STOP TIME: 15:16:31 SRB TIME: 00:00:00.51 ALLOC TIME: 15:16:05 *
* PROGRAM NAME: PGM=*.DD REGION SIZE: 512K ELAPSED TIME: 00:00:25.66 TCB TIME: 00:00:23.76 PROGRAM LOAD: 15:16:05 *
* CONDITION CODE: 00000 PERFORMANCE GROUP: 004 *
* JES2 CARDS: 0 SERVICE UNITS PAGES IN/OUT # SWAPS PAGES SWAP IN/OUT VIO PAGES IN/OUT *
* 169,685 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 0 383/D3380 31236 *
*****
IEF236I ALLOC. FOR VSU33802 GO2
IEF237I 180 ALLOCATED TO JOBCAT
IEF237I 390 ALLOCATED TO STEPLIB
IEF237I JES2 ALLOCATED TO SYSOUT
IEF237I JES2 ALLOCATED TO SYSUDUMP
IEF237I 383 ALLOCATED TO KSDSF01
IEF142I VSU33802 GO2 - STEP WAS EXECUTED - COND CODE 0000

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IEF285I UCPUB000 KEPT *-----0
IEF285I VOL SER NOS= PUB000.
IEF285I JAY01.TEST.LOAD PASSED *-----0
IEF285I VOL SER NOS= WORK03.
IEF285I JES2.JOB01605.S00108 SYSOUT
IEF285I JES2.JOB01605.S00109 SYSOUT
IEF285I TEST05.CLUSTER2 KEPT *---31,236
IEF285I VOL SER NOS= TEST05.
IEF373I STEP /GO2 / START 25051.1516
IEF374I STEP /GO2 / STOP 25051.1516 CPU 0MIN 23.78SEC SRB 0MIN 00.51SEC VIRT 112K SYS 228K
*****
*
* STEP NUMBER: 5 USER CORE: 112K START TIME: 15:16:31 CPU TIME: 00:00:24.29 ACTIVE TIME: 00:00:25.55 *
* STEP NAME: GO2 SYSTEM CORE: 228K STOP TIME: 15:16:57 SRB TIME: 00:00:00.51 ALLOC TIME: 15:16:31 *
* PROGRAM NAME: RUN REGION SIZE: 512K ELAPSED TIME: 00:00:25.56 TCB TIME: 00:00:23.78 PROGRAM LOAD: 15:16:31 *
* CONDITION CODE: 00000 PERFORMANCE GROUP: 004 *
* JES2 CARDS: 0 SERVICE UNITS PAGES IN/OUT # SWAPS PAGES SWAP IN/OUT VIO PAGES IN/OUT *
* 169,699 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 0 383/D3380 31236 *
*****
IEF236I ALLOC. FOR VSU33802 GO3
IEF237I 180 ALLOCATED TO JOBCAT
IEF237I 390 ALLOCATED TO STEPLIB
IEF237I JES2 ALLOCATED TO SYSOUT
IEF237I JES2 ALLOCATED TO SYSUDUMP
IEF237I 383 ALLOCATED TO KSDSF01
IEF142I VSU33802 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.JOB01605.S00110 SYSOUT
IEF285I JES2.JOB01605.S00111 SYSOUT
IEF285I TEST05.CLUSTER3 KEPT *---31,236
IEF285I VOL SER NOS= TEST05.
IEF373I STEP /GO3 / START 25051.1516
IEF374I STEP /GO3 / STOP 25051.1517 CPU 0MIN 23.66SEC SRB 0MIN 00.51SEC VIRT 112K SYS 228K
*****
*
* STEP NUMBER: 6 USER CORE: 112K START TIME: 15:16:57 CPU TIME: 00:00:24.17 ACTIVE TIME: 00:00:25.49 *
* STEP NAME: GO3 SYSTEM CORE: 228K STOP TIME: 15:17:22 SRB TIME: 00:00:00.51 ALLOC TIME: 15:16:57 *
* PROGRAM NAME: RUN REGION SIZE: 512K ELAPSED TIME: 00:00:25.49 TCB TIME: 00:00:23.66 PROGRAM LOAD: 15:16:57 *
* CONDITION CODE: 00000 PERFORMANCE GROUP: 004 *
* JES2 CARDS: 0 SERVICE UNITS PAGES IN/OUT # SWAPS PAGES SWAP IN/OUT VIO PAGES IN/OUT *
* 169,628 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 0 383/D3380 31236 *
*****
IEF236I ALLOC. FOR VSU33802 IDCAMS
IEF237I 180 ALLOCATED TO JOBCAT
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSIN
IEF237I 383 ALLOCATED TO SYS00016
IEF285I TEST05.CLUSTER1 KEPT *---11,172
IEF285I VOL SER NOS= TEST05.
IEF237I 383 ALLOCATED TO SYS00017
IEF285I TEST05.CLUSTER2 KEPT *---11,172
IEF285I VOL SER NOS= TEST05.

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IEF237I 383 ALLOCATED TO SYS00018
IEF285I TEST05.CLUSTER3 KEPT *---11,172
IEF285I VOL SER NOS= TEST05.
IEF142I VSU33802 IDCAMS - STEP WAS EXECUTED - COND CODE 0000
IEF285I UCPUB000 KEPT *-----0
IEF285I VOL SER NOS= PUB000.
IEF285I JES2.JOB01605.S00112 SYSOUT
IEF285I JES2.JOB01605.SI0102 SYSIN
IEF373I STEP /IDCAMS / START 25051.1517
IEF374I STEP /IDCAMS / STOP 25051.1517 CPU 0MIN 31.34SEC SRB 0MIN 00.57SEC VIRT 320K SYS 256K
*****
*
* STEP NUMBER: 7 USER CORE: 320K START TIME: 15:17:22 CPU TIME: 00:00:31.91 ACTIVE TIME: 00:00:33.20 *
* STEP NAME: IDCAMS SYSTEM CORE: 256K STOP TIME: 15:17:55 SRB TIME: 00:00:00.57 ALLOC TIME: 15:17:22 *
* PROGRAM NAME: IDCAMS REGION SIZE: 1024K ELAPSED TIME: 00:00:33.20 TCB TIME: 00:00:31.34 PROGRAM LOAD: 15:17:22 *
* CONDITION CODE: 00000 PERFORMANCE GROUP: 004 *
* JES2 CARDS: 0 SERVICE UNITS PAGES IN/OUT # SWAPS PAGES SWAP IN/OUT VIO PAGES IN/OUT *
* 189,662 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 SYS25051.T151755.RA000.VSU33802.R0000019 KEPT *-----0
IEF285I VOL SER NOS= WORK03.
IEF285I JAY01.TEST.LOAD DELETED
IEF285I VOL SER NOS= WORK03.
IEF375I JOB /VSU33802/ START 25051.1516
IEF376I JOB /VSU33802/ STOP 25051.1517 CPU 1MIN 42.68SEC SRB 0MIN 02.12SEC

```

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

```
DELETE (TEST05.CLUSTER1) CLUSTER PURGE
```

```
IDC0550I ENTRY (D) TEST05.DATA1 DELETED
```

```
IDC0550I ENTRY (I) TEST05.INDEX1 DELETED
```

```
IDC0550I ENTRY (C) TEST05.CLUSTER1 DELETED
```

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

```
DELETE (TEST05.CLUSTER2) CLUSTER PURGE
```

```
IDC0550I ENTRY (D) TEST05.DATA2 DELETED
```

```
IDC0550I ENTRY (I) TEST05.INDEX2 DELETED
```

```
IDC0550I ENTRY (C) TEST05.CLUSTER2 DELETED
```

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

```
DELETE (TEST05.CLUSTER3) CLUSTER PURGE
```

```
IDC0550I ENTRY (D) TEST05.DATA3 DELETED
```

```
IDC0550I ENTRY (I) TEST05.INDEX3 DELETED
```

```
IDC0550I ENTRY (C) TEST05.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 ( TEST05.CLUSTER1 ) -  
  VOLUMES ( TEST05 ) -  
  RECORDSIZE ( 125 125 ) -  
  TRACKS ( 8830 ) -  
  KEYS ( 9 0 ) -  
  INDEXED -  
  UNIQUE -  
  ) -  
  DATA ( -  
  NAME ( TEST05.DATA1 ) -  
  ) -  
  INDEX ( -  
  NAME ( TEST05.INDEX1 ) -  
  )
```

IDC0508I DATA ALLOCATION STATUS FOR VOLUME TEST05 IS 0

IDC0509I INDEX ALLOCATION STATUS FOR VOLUME TEST05 IS 0

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

```
DEFINE CLUSTER ( -  
  NAME ( TEST05.CLUSTER2 ) -  
  VOLUMES ( TEST05 ) -  
  RECORDSIZE ( 125 125 ) -  
  TRACKS ( 8830 ) -  
  KEYS ( 9 0 ) -  
  INDEXED -  
  UNIQUE -  
  ) -  
  DATA ( -  
  NAME ( TEST05.DATA2 ) -  
  ) -  
  INDEX ( -  
  NAME ( TEST05.INDEX2 ) -  
  )
```

IDC0508I DATA ALLOCATION STATUS FOR VOLUME TEST05 IS 0

IDC0509I INDEX ALLOCATION STATUS FOR VOLUME TEST05 IS 0

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

```
DEFINE CLUSTER ( -  
  NAME ( TEST05.CLUSTER3 ) -  
  VOLUMES ( TEST05 ) -  
  RECORDSIZE ( 125 125 ) -  
  TRACKS ( 8830 ) -  
  KEYS ( 9 0 ) -  
  INDEXED -  
  UNIQUE -  
  ) -  
  DATA ( -  
  NAME ( TEST05.DATA3 ) -  
  ) -  
  INDEX ( -  
  NAME ( TEST05.INDEX3 ) -  
  )
```

IDC0508I DATA ALLOCATION STATUS FOR VOLUME TEST05 IS 0

IDC0509I INDEX ALLOCATION STATUS FOR VOLUME TEST05 IS 0

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

IDC0002I IDCAMS PROCESSING COMPLETE. MAXIMUM CONDITION CODE WAS 0

1

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00001 IDENTIFICATION DIVISION.
00002 PROGRAM-ID. VSAMCR.
00003 AUTHOR. JAY MOSELEY.
00004 DATE-WRITTEN. FEBRUARY 20, 2025.
00005 DATE-COMPILED. FEB 20, 202.
00006 REMARKS. WRITE/READ VSAM KSDS CLUSTER ON 3380-2.
00007
00008 ENVIRONMENT DIVISION.
00009 CONFIGURATION SECTION.
00010 SOURCE-COMPUTER. IBM-370.
00011 OBJECT-COMPUTER. IBM-370.
00012
00013 INPUT-OUTPUT SECTION.
00014 FILE-CONTROL.
00015
00016 DATA DIVISION.
00017 FILE SECTION.
00018
00019 WORKING-STORAGE SECTION.
00020
00021 77 RECORD-COUNTER PIC 9(9) VALUE 0.
00022 77 MAXIMUM-RECORD-COUNTER PIC 9(9) VALUE 2773008.
00023 77 PATTERN-INDEX PIC S9(8) COMP VALUE +1.
00024
00025 01 VSIO-PARAMETER-VALUES COPY VSAMIO.
00026 C 000100* ***** *06980000
00027 C 000200* *06990000
00028 C 000300* VV VV SSSSS A M M IIII OOOOO *07000000
00029 C 000400* VV VV SS SS AAA MM MM II OO OO *07010000
00030 C 000500* VV VV SS AA AA MMM MMM II OO OO *07020000
00031 C 000600* VV VV SSSSS AA AA MMMMMMMM II OO OO *07030000
00032 C 000700* VV VV SS AA AA MM M MM II OO OO *07040000
00033 C 000800* VV VV SS SS AAAAAA MM MM II OO OO *07050000
00034 C 000900* VVV SS SS AA AA MM MM II OO OO *07060000
00035 C 001000* V SSSSS AA AA MM MM IIII OOOOO *07070000
00036 C 001100* *07080000
00037 C 001200* ***** *07090000
00038 C 001300* *07100000
00039 C 001400* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *07110000
00040 C 001500* ACCESS ROUTINE. *07120000
00041 C 001600* *07130000
00042 C 001700* THE VSIO-PARAMETER-VALUES SUPPLY THE VALUES USED TO MOVE INTO *07140000
00043 C 001800* PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET *07150000
00044 C 001900* AND TO PROVIDE COMMANDS TO DRIVE THE ROUTINE. *07160000
00045 C 002000* ***** *07170000
00046 C 002100 01 VSIO-PARAMETER-VALUES. 07180000
00047 C 002200 02 VSIO-OPEN PIC X(08) VALUE 'OPEN ' 07190000
00048 C 002300 02 VSIO-CLOSE PIC X(08) VALUE 'CLOSE ' 07200000
00049 C 002400 02 VSIO-READ PIC X(08) VALUE 'READ ' 07210000
00050 C 002500 02 VSIO-WRITE PIC X(08) VALUE 'WRITE ' 07220000
00051 C 002600 02 VSIO-REWRITE PIC X(08) VALUE 'REWRITE ' 07230000
00052 C 002700 02 VSIO-DELETE PIC X(08) VALUE 'DELETE ' 07240000
00053 C 002800 02 VSIO-START-KEY-EQUAL PIC X(08) VALUE 'STARTEQ ' 07250000
00054 C 002900 02 VSIO-START-KEY-NOTLESS PIC X(08) VALUE 'STARTGE ' 07260000

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00055 C 003000      02 VSIO-KSDS          PIC X(04) VALUE 'KSDS'.          07270000
00056 C 003100      02 VSIO-ESDS          PIC X(04) VALUE 'ESDS'.          07280000
00057 C 003200      02 VSIO-RRDS          PIC X(04) VALUE 'RRDS'.          07290000
00058 C 003300      02 VSIO-SEQUENTIAL    PIC X(10) VALUE 'SEQUENTIAL'.    07300000
00059 C 003400      02 VSIO-DIRECT        PIC X(10) VALUE 'DIRECT'.        07310000
00060 C 003500      02 VSIO-DYNAMIC       PIC X(10) VALUE 'DYNAMIC'.        07320000
00061 C 003600      02 VSIO-INPUT         PIC X(06) VALUE 'INPUT'.          07330000
00062 C 003700      02 VSIO-OUTPUT        PIC X(06) VALUE 'OUTPUT'.         07340000
00063 C 003800      02 VSIO-INPUT-OUTPUT  PIC X(06) VALUE 'UPDATE'.         07350000
00064 C 003900                                07360000
00065 C 004000* ***** *07370000
00066 C 004100* THE VSIO-PARAMETER-BLOCK IS THE COMMUNICATION INTERFACE TO *07380000
00067 C 004200* THE ROUTINE. *07390000
00068 C 004300* ***** *07400000
00069 C 004400 01 VSIO-PARAMETER-BLOCK. 07410000
00070 C 004500      02 VSIO-COMMAND        PIC X(08). 07420000
00071 C 004600      02 VSIO-RETURN-CODE    PIC S9(04) COMP. 07430000
00072 C 004700      88 VSIO-SUCCESS          VALUE +0. 07440000
00073 C 004800      88 VSIO-LOGIC-ERROR        VALUE +8. 07450000
00074 C 004900      88 VSIO-END-OF-FILE          VALUE +9999. 07460000
00075 C 005000      88 VSIO-PARAMETER-ERROR      VALUE +20 THRU +28. 07470000
00076 C 005100      88 VSIO-COMMAND-UNKNOWN      VALUE +20. 07480000
00077 C 005200      88 VSIO-DATASET-ALREADY-OPEN  VALUE +21. 07490000
00078 C 005300      88 VSIO-DATASET-NOT-OPEN      VALUE +22. 07500000
00079 C 005400      88 VSIO-ORGANIZATION-KEYWORD  VALUE +23. 07510000
00080 C 005500      88 VSIO-ACCESS-KEYWORD        VALUE +24. 07520000
00081 C 005600      88 VSIO-ACCESS-UNSUPPORTED    VALUE +25. 07530000
00082 C 005700      88 VSIO-MODE-KEYWORD          VALUE +26. 07540000
00083 C 005800      88 VSIO-MODE-UNSUPPORTED      VALUE +27. 07550000
00084 C 005900      88 VSIO-DDNAME-BLANK          VALUE +28. 07560000
00085 C 006000      02 VSIO-VSAM-RETURN-CODE    PIC S9(04) COMP. 07570000
00086 C 006100      02 VSIO-VSAM-FUNCTION-CODE  PIC S9(04) COMP. 07580000
00087 C 006200      02 VSIO-VSAM-FEEDBACK-CODE  PIC S9(04) COMP. 07590000
00088 C 006300      88 VSIO-DUPLICATE-RECORD      VALUE +8. 07600000
00089 C 006400      88 VSIO-SEQUENCE-ERROR        VALUE +12. 07610000
00090 C 006500      88 VSIO-RECORD-NOT-FOUND      VALUE +16. 07620000
00091 C 006600      88 VSIO-NO-MORE-SPACE          VALUE +28. 07630000
00092 C 006700      88 VSIO-READ-WITHOUT-START    VALUE +88. 07640000
00093 C 006800* ***** *07650000
00094 C 006900*                END OF VSAMIO COPY BOOK *07660000
00095 C 007000* ***** *07670000
00096      01 KSDSF01                COPY VSAMIOFB.
00097 C 000100* ***** *00000100
00098 C 000200* ***** *00000200
00099 C 000300* VV VV SSSS A M M IIII OOOO FFFFFFFF BBBB *00000300
00100 C 000400* VV VV SS SS AAA MM MM II OO OO FF BB BB *00000400
00101 C 000500* VV VV SS AA AA MMM MMM II OO OO FF BB BB *00000500
00102 C 000600* VV VV SSSS AA AA MMMMMM II OO OO FFFF BBBB *00000600
00103 C 000700* VV VV SS AA AA MM M MM II OO OO FF BB BB *00000700
00104 C 000800* VV VV SS SS AAAAAA MM MM II OO OO FF BB BB *00000800
00105 C 000900* VVV SS SS AA AA MM MM II OO OO FF BB BB *00000900
00106 C 001000* V SSSS AA AA MM MM IIII OOOO FF BBBB *00001000
00107 C 001100* ***** *00001100
00108 C 001200* ***** *00001200
00109 C 001300* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *00001300
00110 C 001400* ACCESS ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS *00001400
00111 C 001500* FOR A SINGLE VSAM DATASET. *00001500

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

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

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

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

```
*STATISTICS*      SOURCE RECORDS =   320      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.

002773008 RECORDS WRITTEN
002773008 RECORDS READ

002773008 RECORDS WRITTEN
002773008 RECORDS READ

002773008 RECORDS WRITTEN
002773008 RECORDS READ

PARM GRAPHICS(CHAIN(SN))

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

LISTC ENT(TEST05.CLUSTER1) ALL

CLUSTER ----- TEST05.CLUSTER1

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.051

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

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

ASSOCIATIONS

DATA-----TEST05.DATA1

INDEX-----TEST05.INDEX1

DATA ----- TEST05.DATA1

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.051

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

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

ASSOCIATIONS

CLUSTER--TEST05.CLUSTER1

ATTRIBUTES

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

RKP-----0 MAXLRECL-----125 EXCPEXIT----- (NULL) CI/CA-----18

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

UNORDERED NOREUSE NONSPANNED

STATISTICS

REC-TOTAL-----2773008 SPLITS-CI-----0 EXCPS-----27047

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

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

REC-UPDATED-----0 FREESPACE-%CA-----0 X'E07A8D4DA9DA5000'

REC-RETRIEVED----2773008 FREESPC-BYTES-----0

ALLOCATION

SPACE-TYPE-----CYLINDER HI-ALLOC-RBA---346816512

SPACE-PRI-----588 HI-USED-RBA---346816512

SPACE-SEC-----0

VOLUME

VOLSER-----TEST05 PHYREC-SIZE-----4096 HI-ALLOC-RBA---346816512 EXTENT-NUMBER-----1

DEVTYPE-----X'3010200E' PHYRECS/TRK-----10 HI-USED-RBA---346816512 EXTENT-TYPE-----X'00'

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

EXTENTS:

LOW-CCHH-----X'00010000' LOW-RBA-----0 TRACKS-----8820

HIGH-CCHH-----X'024C000E' HIGH-RBA-----346816511

INDEX ----- TEST05.INDEX1

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.051

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

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

RACF----- (NO)

CLUSTER--TEST05.CLUSTER1

ATTRIBUTES

KEYLEN-----9

AVGLRECL-----0

BUFSPACE-----0

CISIZE-----512

RKP-----0

MAXLRECL-----505

EXCPEXIT----- (NULL)

CI/CA-----46

SHROPTNS(1,3) RECOVERY

UNIQUE NOERASE

NOWRITECHK NOIMBED

NOREPLICAT UNORDERED

NOREUSE

STATISTICS

REC-TOTAL-----603

SPLITS-CI-----0

EXCPS-----4189

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'E07A8D4DA9DA5000'

SEQ-SET-RBA-----0

REC-RETRIEVED-----0

FREESPC-BYTES-----20992

HI-LEVEL-RBA-----25088

ALLOCATION

SPACE-TYPE-----TRACK

HI-ALLOC-RBA-----329728

SPACE-PRI-----14

HI-USED-RBA-----308736

SPACE-SEC-----0

VOLUME

VOLSER-----TEST05

PHYREC-SIZE-----512

HI-ALLOC-RBA-----329728

EXTENT-NUMBER-----1

DEVTYPE-----X'3010200E'

PHYRECS/TRK-----46

HI-USED-RBA-----308736

EXTENT-TYPE-----X'00'

VOLFLAG-----PRIME

TRACKS/CA-----1

EXTENTS:

LOW-CCHH-----X'024D0000'

LOW-RBA-----0

TRACKS-----14

HIGH-CCHH-----X'024D000D'

HIGH-RBA-----329727

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(TEST05.CLUSTER1) CHAR SKIP(2772958)

LISTING OF DATA SET -TEST05.CLUSTER1

KEY OF RECORD - 002773007

002773007 CCC

KEY OF RECORD - 002773008

002773008 DDD

IDC0005I NUMBER OF RECORDS PROCESSED WAS 50

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

LISTC ENT(TEST05.CLUSTER2) ALL

CLUSTER ----- TEST05.CLUSTER2

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.051

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

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

ASSOCIATIONS

DATA-----TEST05.DATA2

INDEX-----TEST05.INDEX2

DATA ----- TEST05.DATA2

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.051

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

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

ASSOCIATIONS

CLUSTER--TEST05.CLUSTER2

ATTRIBUTES

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

RKP-----0 MAXLRECL-----125 EXCPEXIT----- (NULL) CI/CA-----18

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

UNORDERED NOREUSE NONSPANNED

STATISTICS

REC-TOTAL-----2773008 SPLITS-CI-----0 EXCPS-----27047

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

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

REC-UPDATED-----0 FREESPACE-%CA-----0 X'E07A8D6619A3A000'

REC-RETRIEVED----2773008 FREESPC-BYTES-----0

ALLOCATION

SPACE-TYPE-----CYLINDER HI-ALLOC-RBA---346816512

SPACE-PRI-----588 HI-USED-RBA---346816512

SPACE-SEC-----0

VOLUME

VOLSER-----TEST05 PHYREC-SIZE-----4096 HI-ALLOC-RBA---346816512 EXTENT-NUMBER-----1

DEVTYPE-----X'3010200E' PHYRECS/TRK-----10 HI-USED-RBA---346816512 EXTENT-TYPE-----X'00'

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

EXTENTS:

LOW-CCHH-----X'024E0000' LOW-RBA-----0 TRACKS-----8820

HIGH-CCHH-----X'0499000E' HIGH-RBA-----346816511

INDEX ----- TEST05.INDEX2

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.051

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

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

ASSOCIATIONS

CLUSTER--TEST05.CLUSTER2

ATTRIBUTES

KEYLEN-----9	AVGLRECL-----0	BUFSPACE-----0	CISIZE-----512
RKP-----0	MAXLRECL-----505	EXCPEXIT----- (NULL)	CI/CA-----46
SHROPTNS(1,3) RECOVERY	UNIQUE NOERASE	NOWRITECHK NOIMBED	NOREPLICAT UNORDERED

NOREUSE

STATISTICS

REC-TOTAL-----603	SPLITS-CI-----0	EXCPS-----4189	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'E07A8D6619A3A000'	SEQ-SET-RBA-----0
REC-RETRIEVED-----0	FREESPC-BYTES-----20992		HI-LEVEL-RBA-----25088

ALLOCATION

SPACE-TYPE-----TRACK	HI-ALLOC-RBA-----329728
SPACE-PRI-----14	HI-USED-RBA-----308736
SPACE-SEC-----0	

VOLUME

VOLSER-----TEST05	PHYREC-SIZE-----512	HI-ALLOC-RBA-----329728	EXTENT-NUMBER-----1
DEVTYPE-----X'3010200E'	PHYRECS/TRK-----46	HI-USED-RBA-----308736	EXTENT-TYPE-----X'00'
VOLFLAG-----PRIME	TRACKS/CA-----1		
EXTENTS:			
LOW-CCHH-----X'049A0000'	LOW-RBA-----0	TRACKS-----14	
HIGH-CCHH-----X'049A000D'	HIGH-RBA-----329727		

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(TEST05.CLUSTER2) CHAR SKIP(2772958)

LISTING OF DATA SET -TEST05.CLUSTER2

KEY OF RECORD - 002773007

002773007 CCC
CCCC

KEY OF RECORD - 002773008

002773008 DDD
DDDD

IDC0005I NUMBER OF RECORDS PROCESSED WAS 50

IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0

LISTC ENT(TEST05.CLUSTER3) ALL

CLUSTER ----- TEST05.CLUSTER3

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.051

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

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

ASSOCIATIONS

DATA-----TEST05.DATA3

INDEX-----TEST05.INDEX3

DATA ----- TEST05.DATA3

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.051

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

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

ASSOCIATIONS

CLUSTER--TEST05.CLUSTER3

ATTRIBUTES

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

RKP-----0 MAXLRECL-----125 EXCPEXIT----- (NULL) CI/CA-----18

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

UNORDERED NOREUSE NONSPANNED

STATISTICS

REC-TOTAL-----2773008 SPLITS-CI-----0 EXCPS-----27047

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

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

REC-UPDATED-----0 FREESPACE-%CA-----0 X'E07A8D7E78D28000'

REC-RETRIEVED----2773008 FREESPC-BYTES-----0

ALLOCATION

SPACE-TYPE-----CYLINDER HI-ALLOC-RBA---346816512

SPACE-PRI-----588 HI-USED-RBA---346816512

SPACE-SEC-----0

VOLUME

VOLSER-----TEST05 PHYREC-SIZE-----4096 HI-ALLOC-RBA---346816512 EXTENT-NUMBER-----1

DEVTYPE-----X'3010200E' PHYRECS/TRK-----10 HI-USED-RBA---346816512 EXTENT-TYPE-----X'00'

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

EXTENTS:

LOW-CCHH-----X'049B0000' LOW-RBA-----0 TRACKS-----8820

HIGH-CCHH-----X'06E6000E' HIGH-RBA-----346816511

INDEX ----- TEST05.INDEX3

IN-CAT --- UCPUB000

HISTORY

OWNER-IDENT----- (NULL) CREATION-----25.051

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

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

ASSOCIATIONS

CLUSTER--TEST05.CLUSTER3

ATTRIBUTES

KEYLEN-----9	AVGLRECL-----0	BUFSPACE-----0	CISIZE-----512
RKP-----0	MAXLRECL-----505	EXCPEXIT----- (NULL)	CI/CA-----46
SHROPTNS(1,3) RECOVERY	UNIQUE NOERASE	NOWRITECHK NOIMBED	NOREPLICAT UNORDERED

NOREUSE

STATISTICS

REC-TOTAL-----603	SPLITS-CI-----0	EXCPS-----4189	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'E07A8D7E78D28000'	SEQ-SET-RBA-----0
REC-RETRIEVED-----0	FREESPC-BYTES-----20992		HI-LEVEL-RBA-----25088

ALLOCATION

SPACE-TYPE-----TRACK	HI-ALLOC-RBA-----329728
SPACE-PRI-----14	HI-USED-RBA-----308736
SPACE-SEC-----0	

VOLUME

VOLSER-----TEST05	PHYREC-SIZE-----512	HI-ALLOC-RBA-----329728	EXTENT-NUMBER-----1
DEVTYPE-----X'3010200E'	PHYRECS/TRK-----46	HI-USED-RBA-----308736	EXTENT-TYPE-----X'00'
VOLFLAG-----PRIME	TRACKS/CA-----1		
EXTENTS:			
LOW-CCHH-----X'06E70000'	LOW-RBA-----0	TRACKS-----14	
HIGH-CCHH-----X'06E7000D'	HIGH-RBA-----329727		

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(TEST05.CLUSTER3) CHAR SKIP(2772958)

IDC0002I IDCAMS PROCESSING COMPLETE. MAXIMUM CONDITION CODE WAS 0