


```

CCCCCCCC RRRRRRRR FFFFFFFFFF SSSSSSSS HH HH RRRRRRRR
CCCCCCCC RRRRRRRR FFFFFFFFFF SSSSSSSS HH HH RRRRRRRR
CC RR RR FF SS HH HH RR RR
CC RR RR FF SS HH HH RR RR
CC RR RR FF SS HH HH RR RR
CC RRRRRRRR FFFFFFFF SSSSSS HHHHHHHHHH RRRRRRRR
CC RRRRRRRR FFFFFFFF SSSSSS HHHHHHHHHH RRRRRRRR
CC RR RR FF SS HH HH RR RR
CC RR RR FF SS HH HH RR RR
CC RR RR FF SS HH HH RR RR
CC RR RR FF SS HH HH RR RR
CCCCCCCC RR RR FF SSSSSSSS HH HH RR RR
CCCCCCCC RR RR FF SSSSSSSS HH HH RR RR

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MM MM AAAAAA PPPPPPPP
MM MM AAAAAA PPPPPPPP
MMMM MMMM AA AA PP PP
MMMM MMMM AA AA PP PP
MM MM AA AA PPPPPPPP
MM MM AA AA PPPPPPPP
MM MM AAAAAAAAAA PP
MM MM AAAAAAAAAA PP
MM MM AA AA PP
MM MM AA AA PP
MM MM AA AA PP
MM MM AA AA PP

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+-----+
! Object Module Synopsis !
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Module Name	Ident	Bytes	File	Creation Date	Creator
CRF_TRANSFER	V04-000	512	-\$255\$DUA28:[CRF.OBJ]CRF.OLB;1	15-SEP-1984 23:38	VAX/VMS Macro V04-00
CRF_CREF	V04-000	1771	-\$255\$DUA28:[CRF.OBJ]CRF.OLB;1	15-Sep-1984 23:38	VAX-11 Bliss-32 V4.0-742
GETMEM	V04-000	297	-\$255\$DUA28:[CRF.OBJ]CRF.OLB;1	15-SEP-1984 23:37	VAX/VMS Macro V04-00
CRFGBL	V04-000	0	-\$255\$DUA28:[CRF.OBJ]CRF.OLB;1	15-SEP-1984 23:37	VAX/VMS Macro V04-00
CRFOR	V04-000	76	-\$255\$DUA28:[CRF.OBJ]CRF.OLB;1	15-SEP-1984 23:38	VAX/VMS Macro V04-00
CRFSUB	V04-000	200	-\$255\$DUA28:[CRF.OBJ]CRF.OLB;1	15-SEP-1984 23:38	VAX/VMS Macro V04-00
SYS\$P1_VECTOR	V04-000	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 00:40	VAX/VMS Macro V04-00

↑-----↑
! Image Section Synopsis !
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<u>Cluster</u>	<u>Type</u>	<u>Pages</u>	<u>Base Addr</u>	<u>Disk</u>	<u>VBN</u>	<u>PFC</u>	<u>Protection and Paging</u>	<u>Global Sec. Name</u>	<u>Match</u>	<u>Majorid</u>	<u>Minorid</u>
TRANSFER_VECTOR	3	1	00000000-R		2	0	READ ONLY				
DEFAULT_CLUSTER	2	5	00000200-R		3	0	READ ONLY				

Key for special characters above:

↑-----↑
! R - Relocatable !
! P - Protected !
↑-----↑

! Program Section Synopsis .

<u>Psect Name</u>	<u>Module Name</u>	<u>Base</u>	<u>End</u>	<u>Length</u>	<u>Align</u>	<u>Attributes</u>
SSVECTOR_0_CRF	CRF_TRANSFER	00000000 00000000	000001FF 000001FF	00000200 () 00000200 ()	512.) BYTE 0 512.) BYTE 0	PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC
SCODES	CRF_CREF	00000200	00000827	00000928 ()	2344.) LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	GETMEM	00000200	000008EA	000006EB ()	1771.) LONG 2	
	CRFOR	000008EB	00000A13	00000129 ()	297.) BYTE 0	
	CRFSUB	00000A14	00000A5F	0000004C ()	76.) BYTE 0	
		00000A60	00000B27	000000C8 ()	200.) BYTE 0	

! Symbol Cross Reference !

Symbol	Value	Defined By	Referenced By ...
CRFSC_HASHSIZE	--*		CRF_CREF
CRFSC_MAXCOL	00000040	CRF_CREF	
CRFSC_MAXLINWID	00000084	CRF_CREF	
CRFSFREE_MEM	00000994-RU	GETMEM	CRF_TRANSFER
CRFSGET_MEM	00000907-RU	GETMEM	CRF_TRANSFER
CRFSINSRTKEY	0000035F-RU	CRF_CREF	CRFOR CRF_TRANSFER
CRFSINSRTREF	00000387-RU	CRF_CREF	CRFOR CRF_TRANSFER
CRFSK_ASCIC	00000000-U	CRFGBL	
CRFSK_BIN_U32	00000001-U	CRFGBL	
CRFSK_DEF	00000001-U	CRFGBL	
CRFSK_DEFS_REFS	00000002-U	CRFGBL	
CRFSK_DELETE	00000000-U	CRFGBL	
CRFSK_REF	00000000-U	CRFGBL	
CRFSK_SAVE	00000001-U	CRFGBL	
CRFSK_VALS_REFS	00000001-U	CRFGBL	
CRFSK_VALUES	00000000-U	CRFGBL	
CRFSOOT	000005B1-RU	CRF_CREF	CRFOR CRF_TRANSFER
FREE_MEM	00000994-R	GETMEM	CRF_CREF
GET_MEM	00000912-R	GETMEM	CRF_CREF
GET_ZMEM	000008EB-R	GETMEM	CRF_CREF
LIB\$CRF_INS_KEY	00000A14-RU	CRFOR	CRF_TRANSFER
LIB\$CRF_INS_REF	00000A29-RU	CRFOR	CRF_TRANSFER
LIB\$CRF_OUTPUT	00000A42-RU	CRFOR	CRF_TRANSFER
SORT_HASH_TABLE	00000A88-R	CRFSUB	CRF_CREF
SYSS\$XPREG	7FFEDF48	SYSS\$1_VECTOR	GETMEM
SYSS\$FAO	7FFEDF50	SYSS\$1_VECTOR	CRF_CREF

! Symbols By Value !

Value	Symbols...			
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00000000	U-CRFSK_ASCII	U-CRFSK_DELETE	U-CRFSK_REF	U-CRFSK_VALUES
00000001	U-CRFSK_BIN_U32	U-CRFSK_DEF	U-CRFSK_SAVE	U-CRFSK_VALS_REFS
00000002	U-CRFSK_DEFS_REFS			
00000040	CRFSC_MAXCOL			
00000084	CRFSC_MAXLINWID			
0000035F	R-CRFSINSRTKEY			
00000387	R-CRFSINSRTREF			
000005B1	R-CRFSOUT			
000008EB	R-GET_ZMEM			
00000907	R-CRFSGET_MEM			
00000912	R-GET_MEM			
00000994	R-CRFSFREE_MEM	R-FREE_MEM		
00000A14	R-LIB\$CRF_INS_KEY			
00000A29	R-LIB\$CRF_INS_REF			
00000A42	R-LIB\$CRF_OUTPUT			
00000A88	R-SORT_HASH_TABLE			
7FFEDF48	SYSS\$XPREG			
7FFEDF50	SYSS\$FAO			

Key for special characters above:

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* - Undefined
U - Universal
R - Relocatable
X - External
-----

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! Image Synopsis !

Virtual memory allocated: 00000000 00000BFF 00000C00 (3072. bytes, 6. pages)
Stack size: 0. pages
Image header virtual block limits: 1. (1. block)
Image binary virtual block limits: 2. (6. blocks)
Image name and identification: CRFSHR V04-000
Number of files: 5.
Number of modules: 7.
Number of program sections: 6.
Number of global symbols: 16.
Number of cross references: 43.
Number of image sections: 2.
Image type: PIC, SHAREABLE. Global Section Match=LESS/EQUAL, Ident, Major=1, Minor=101
Map format: FULL WITH CROSS REFERENCE in file _\$255\$DUA28:[CRF.LIS]CRFSHR.MAP;1
Estimated map length: 24. blocks

! Link Run Statistics !

Performance Indicators	Page Faults	CPU Time	Elapsed Time
Command processing:	130	00:00:00.44	00:00:01.18
Pass 1:	60	00:00:00.59	00:00:01.91
Allocation/Relocation:	14	00:00:00.18	00:00:00.39
Pass 2:	15	00:00:00.28	00:00:00.87
Map data after object module synopsis:	11	00:00:00.23	00:00:00.24
Symbol table output:	1	00:00:00.05	00:00:00.25
Total run values:	231	00:00:01.77	00:00:04.84

Using a working set limited to 1050 pages and 93 pages of data storage (excluding image)

Total number object records read (both passes): 276
of which 138 were in libraries and 28 were DEBUG data records containing 1574 bytes

Number of modules extracted explicitly = 2
with 5 extracted to resolve undefined symbols

4 library searches were for symbols not in the library searched

A total of 5 global symbol table records was written

LINK/USERLIB=PROC/SHARE=EXES:CRFSHR/MAP=MAPS:CRFSHR/FULL/CROSS SYSSINPUT/OPTIONS

Options input

OBJS:CRF/INCLUDE=(CRF_CREF)/LIBRARY

CREATE A SEPARATE CLUSTER AT LOW ADDRESSED END FOR THE
TRANSFER VECTORS.

CLUSTER=TRANSFER_VECTOR,,,OBJS:CRF/INCLUDE=CRF_TRANSFER
GSMATCH = LEQUAL, 1, 101

UNIVERSAL=CRFSK_ASCIC,-
 CRFSK_BIN_U32,-
 CRFSK_DEF,CRFSK_REF,-
 CRFSK_VALUES,-
 CRFSK_VALS_REFS,-
 CRFSK_DEFS_REFS,-
 CRFSK_DELETE,CRFSK_SAVE
SYMBOL=CRFSC_HASHSIZE,719

! UNIVERSALIZE THE NON ENTRY
! POINT SYMBOLS THAT USERS
! MAY NEED.

! HASH TABLE SIZE -- SHOULD BE PRIME

