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EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFF
EEE RRR RRR FFF
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EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFF

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[illegible]

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EEEEEEEEEE RRRRRRRR FFFFFFFF SSSSSSSS UU UU MM MM MM MM
EEEEEEEEEE RRRRRRRR FFFFFFFF SSSSSSSS UU UU MM MM MM MM
EE RR RR FF SS UU UU MMMM MMMM MMMM MMMM
EE RR RR FF SS UU UU MM MM MM MM MM MM
EE RR RR FF SS UU UU MM MM MM MM MM MM
EEEEEEEEEE RRRRRRRR FFFFFFFF SSSSSS SS UU UU MM MM MM MM
EEEEEEEEEE RRRRRRRR FFFFFFFF SSSSSS SS UU UU MM MM MM MM
EE RR RR FF SS SS UU UU MM MM MM MM
EE RR RR FF SS SS UU UU MM MM MM MM
EE RR RR FF SS SS UU UU MM MM MM MM
EEEEEEEEEE RR RR FF SSSSSSSS UUUUUUUUUU MM MM MM MM
EEEEEEEEEE RR RR FF SSSSSSSS UUUUUUUUUU MM MM MM MM
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MM MM AAAAAA PPPPPPPP
MM MM AAAAAA PPPPPPPP
MMM MMM AA AA PP PP
MMM MMM AA AA PP PP
MM MM 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
ERFSHR	V04-000	0	_\$255\$DUA28:[ERF.OBJ]ERFSHR.EXE;1	16-SEP-1984 04:31	VAX-11 Linker V04-00
FORRTL	V04-000	0	_\$255\$DUA28:[SYSLIB]FORRTL.EXE;1	16-SEP-1984 04:07	VAX-11 Linker V04-00
LIBRTL	V04-000	0	_\$255\$DUA28:[SYSLIB]LIBRTL.EXE;1	16-SEP-1984 04:00	VAX-11 Linker V04-00
MTHRTL	V04-000	0	_\$255\$DUA28:[SYSLIB]MTHRTL.EXE;1	16-SEP-1984 04:04	VAX-11 Linker V04-00
ERF COMMON	V04-000	0	_\$255\$DUA28:[ERF.OBJ]ERF COMMON.EXE;1	16-SEP-1984 04:31	VAX-11 Linker V04-00
ERFSUMMVECT	V04-000	8	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	15-SEP-1984 23:57	VAX/VMS Macro V04-00
ERFSUMMARY	V04-000	381	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 23:48	VAX-11 Bliss-32 V4.0-742
ROLLUP	01	2865	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:14	VAX-11 FORTRAN V3.4-56
LABEL_OUT	01	1313	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:05	VAX-11 FORTRAN V3.4-56
MEMORY_DISPLAY	01	1626	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:07	VAX-11 FORTRAN V3.4-56
DECODE_ECC	01	931	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:19	VAX-11 FORTRAN V3.4-56
ENTRY_SUMMARY_DESCRIPTOR_LOAD	01	1596	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:28	VAX-11 FORTRAN V3.4-56
ENTRY_SUMMARY_UPDATE	01	4436	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:28	VAX-11 FORTRAN V3.4-56
ENTRY_SUMMARY_WRITE	01	353	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:28	VAX-11 FORTRAN V3.4-56
TIMCMP	01	190	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:28	VAX-11 FORTRAN V3.4-56
SYSP1_VECTOR	V04-000	0	_\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 00:40	VAX/VMS Macro V04-00

+-----+
! Module Relocatable Reference Synopsis !
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Module Name	Number	Module Name	Number	Module Name	Number
ERFSUMMARY	2	ROLLUP	29	LABEL_OUT	16
MEMORY_DISPLAY	25	DECODE_ECC	7	ENTRY_SUMMARY_DESCRIPTOR_LOAD	2
ENTRY_SUMMARY_UPDATE	29	ENTRY_SUMMARY_WRITE	2	TIMCMP	4

+-----+
! Image Section Synopsis !
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Cluster	Type	Pages	Base Addr	Disk VBN	PFC	Protection and Paging	Global Sec. Name	Match	Majorid	Minorid
ERFSHR	1	2	00000000-R	0	0	READ ONLY	ERFSHR_001	LESS/EQUAL	1	0
	2	2	00000400-R	0	0	READ ONLY	ERFSHR_002	LESS/EQUAL	1	0
	4	17	00000800-R	0	0	READ WRITE COPY ON REF	ERFSHR_003	LESS/EQUAL	1	0
	4	40	00002A00-R	0	0	READ WRITE COPY ON REF	ERFSHR_004	LESS/EQUAL	1	0
	4	53	00007A00-R	0	0	READ ONLY	ERFSHR_005	LESS/EQUAL	1	0
	4	4	P-0000E400-R	0	0	READ ONLY	ERFSHR_006	LESS/EQUAL	1	0
	2	10	0000EC00-R	0	0	READ WRITE FIXUP VECTORS	ERFSHR_007	LESS/EQUAL	1	0
FORRTL	3	63	00000000-R	0	0	READ ONLY	FORRTL_001	LESS/EQUAL	1	100
	4	2	00007E00-R	0	0	READ WRITE COPY ON REF	FORRTL_002	LESS/EQUAL	1	100
	2	1	00008200-R	0	0	READ WRITE FIXUP VECTORS	FORRTL_003	LESS/EQUAL	1	100
LIBRTL	3	111	00000000-R	0	0	READ ONLY	LIBRTL_001	LESS/EQUAL	1	11
	4	1	0000DE00-R	0	0	READ WRITE DEMAND ZERO	LIBRTL_002	LESS/EQUAL	1	11
MTHRTL	3	115	00000000-R	0	0	READ ONLY	MTHRTL_001	LESS/EQUAL	129	32778
	2	1	0000E600-R	0	0	READ WRITE FIXUP VECTORS	MTHRTL_002	LESS/EQUAL	129	32778
ERFCOMMON	4	13	00000000-R	0	0	READ WRITE COPY ON REF	ERFCOMMON_001	LESS/EQUAL	1	0
DEFAULT_CLUSTER	2	1	00000000-R	2	0	READ ONLY				
	4	3	00000200-R	3	0	READ ONLY				
	4	10	00000800-R	6	0	READ WRITE COPY ON REF				
	4	12	00001C00-R	16	0	READ ONLY				
	2	3	00003400-R	28	0	READ WRITE FIXUP VECTORS				

Key for special characters above:

+-----+
! R - Relocatable !
! P - Protected !
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! Program Section Synopsis !

Psect Name	Module Name	Base	End	Length	Align	Attributes
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\$SERFSUMMVECT	ERFSUMMVECT	00000000	00000007	00000008 (	8.) BYTE 0	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
		00000000	00000007	00000008 (	8.) BYTE 0	
\$PDATA	ROLLUP	00000200	00000637	00000438 (	1080.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT,NOVEC
	ROLLUP	00000200	0000031F	00000120 (	288.) LONG 2	
	LABEL_OUT	00000320	000003CC	000000AD (	173.) LONG 2	
	MEMORY_DISPLAY	000003D0	000004ED	0000011E (	286.) LONG 2	
	DECODE_ECC	000004F0	000004FF	00000010 (	16.) LONG 2	
	ENTRY_SUMMARY_DESCRIPTOR_LOAD	00000500	00000507	00000008 (	8.) LONG 2	
	ENTRY_SUMMARY_UPDATE	00000508	000005E6	000000DF (	223.) LONG 2	
	ENTRY_SUMMARY_WRITE	000005E8	0000062E	00000047 (	71.) LONG 2	
	TIMCMP	00000630	00000637	00000008 (	8.) LONG 2	
\$LOCAL	ROLLUP	00000800	00001B3F	00001340 (	4928.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
	ROLLUP	00000800	00000A4B	0000024C (	588.) LONG 2	
	LABEL_OUT	00000A4C	00000C1B	000001D0 (	464.) LONG 2	
	MEMORY_DISPLAY	00000C1C	00000DC3	000001A8 (	424.) LONG 2	
	DECODE_ECC	00000DC4	00000E93	000000D0 (	208.) LONG 2	
	ENTRY_SUMMARY_DESCRIPTOR_LOAD	00000E94	000010CF	0000023C (	572.) LONG 2	
	ENTRY_SUMMARY_UPDATE	000010D0	00001AC7	000009F8 (	2552.) LONG 2	
	ENTRY_SUMMARY_WRITE	00001AC8	00001AF3	0000002C (	44.) LONG 2	
	TIMCMP	00001AF4	00001B3F	0000004C (	76.) LONG 2	
\$OWNS	ERFSUMMARY	00001B40	00001B4F	00000010 (	16.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
		00001B40	00001B4F	00000010 (	16.) LONG 2	
\$CODE	ERFSUMMARY	00001C00	000033FD	000017FE (	6142.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	ERFSUMMARY	00001C00	00001D64	00000165 (	357.) LONG 2	
	ROLLUP	00001D68	0000232C	000005C5 (	1477.) LONG 2	
	LABEL_OUT	00002330	000025D3	000002A4 (	676.) LONG 2	
	MEMORY_DISPLAY	000025D4	00002967	00000394 (	916.) LONG 2	
	DECODE_ECC	00002968	00002A2A	000000C3 (	195.) LONG 2	
	ENTRY_SUMMARY_DESCRIPTOR_LOAD	00002A2C	00002E23	000003F8 (	1016.) LONG 2	
	ENTRY_SUMMARY_UPDATE	00002E24	000032A0	0000047D (	1149.) LONG 2	
	ENTRY_SUMMARY_WRITE	000032A4	00003391	000000EE (	238.) LONG 2	
	TIMCMP	00003394	000033FD	0000006A (	106.) LONG 2	

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! Symbol Cross Reference !
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Symbol	Value	Defined By	Referenced By ...
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COMPRESS4	00003474-RX	ERFSHR	ENTRY_SUMMARY_WRITE LABEL_OUT MEMORY_DISPLAY ROLLUP ENTRY_SUMMARY_WRITE
COMPRESSC	00003448-RX	ERFSHR	ERFSUMMARY
DECODE_ECC	00002968-R	DECODE_ECC	ENTRY_SUMMARY_UPDATE
DISPLAY_ROLLUP	000020BF-R	ROLLUP	ERFSUMMARY
ENTRY_SUMMARY_DESCRIPTOR_LOAD	00002A2C-R	ENTRY_SUMMARY_DESCRIPTOR_LOAD	ERFSUMMARY
ENTRY_SUMMARY_OUTPUT	00002FCD-R	ENTRY_SUMMARY_UPDATE	ENTRY_SUMMARY_UPDATE
ENTRY_SUMMARY_UPDATE	00002E24-R	ENTRY_SUMMARY_UPDATE	ENTRY_SUMMARY_UPDATE
ENTRY_SUMMARY_WRITE	000032A4-R	ENTRY_SUMMARY_WRITE	ENTRY_SUMMARY_UPDATE
FOR\$IO_END	00003490-RX	FORRTL	ENTRY_SUMMARY_UPDATE ENTRY_SUMMARY_WRITE LABEL_OUT MEMORY_DISPLAY ROLLUP
FOR\$IO_L_R	0000348C-RX	FORRTL	ENTRY_SUMMARY_UPDATE ENTRY_SUMMARY_WRITE LABEL_OUT MEMORY_DISPLAY ROLLUP
FOR\$IO_T_DS	00003488-RX	FORRTL	ENTRY_SUMMARY_UPDATE ENTRY_SUMMARY_WRITE LABEL_OUT MEMORY_DISPLAY ROLLUP
FOR\$IO_W_R	00003480-RX	FORRTL	ENTRY_SUMMARY_UPDATE
FOR\$WRITE_SF	00003484-RX	FORRTL	ENTRY_SUMMARY_UPDATE ENTRY_SUMMARY_WRITE LABEL_OUT MEMORY_DISPLAY ROLLUP
FRCTOF	0000345C-RX	ERFSHR	ENTRY_SUMMARY_UPDATE LABEL_OUT MEMORY_DISPLAY ROLLUP
GET_CURRENT_LABEL	00003468-RX	ERFSHR	ROLLUP
GET_MEMORY_Q_INFO	00003450-RX	ERFSHR	MEMORY_DISPLAY
GET_QUEUE_INFO	00003454-RX	ERFSHR	LABEL_OUT
INSQUE	00003464-RX	ERFSHR	ENTRY_SUMMARY_UPDATE
LABEL_OUT	00002330-R	LABEL_OUT	ROLLUP
LIB\$EXTZV	000034A0-RX	LIBRTL	ERFSUMMARY DECODE_ECC ENTRY_SUMMARY_DESCRIPTOR_LOAD ENTRY_SUMMARY_UPDATE MEMORY_DISPLAY ROLLUP TIMCMP
LIB\$GET_VM	0000349C-RX	LIBRTL	ENTRY_SUMMARY_UPDATE

Symbol	Value	Defined By	Referenced By ...
LINCHK	00003458-RX	ERFSHR	ROLLUP ENTRY_SUMMARY_UPDATE ENTRY_SUMMARY_WRITE LABEL_OUT MEMORY_DISPLAY ROLLUP
MEMORY_DISPLAY MOVC3	000025D4-R 0000346C-RX	MEMORY_DISPLAY ERFSHR	ERFSUMMARY ENTRY_SUMMARY_UPDATE LABEL_OUT MEMORY_DISPLAY ROLLUP
MOVC5	00003470-RX	ERFSHR	ENTRY_SUMMARY_UPDATE ROLLUP
MOVL	00003460-RX	ERFSHR	ROLLUP
MOVQ	0000344C-RX	ERFSHR	ENTRY_SUMMARY_UPDATE
PROCESSED_ENTRIES_HISTO_OUTPUT	00003109-R	ENTRY_SUMMARY_UPDATE	ERFSUMMARY
PROCESSED_ENTRIES_HISTO_UPDATE	0000321C-R	ENTRY_SUMMARY_UPDATE	ERFSUMMARY
ROLLUP	00001D68-R	ROLLUP	ERFSUMMARY
SUMMARY_DISPATCHER	00001C00-RU	ERFSUMMARY	ERFSUMMVECT
SUMMINIT	00000000-R	ERFSUMMVECT	
SYSSASCTIM	7FFEDE48	SYSSP1_VECTOR	ENTRY_SUMMARY_UPDATE
SYSSNUMTIM	7FFEDFB8	SYSSP1_VECTOR	ENTRY_SUMMARY_UPDATE
TIMCMP	00003394-R	TIMCMP	ENTRY_SUMMARY_UPDATE

! Symbols By Value !

Value	Symbols...
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00000000	R-SUMMINIT
00001C00	R-SUMMARY_DISPATCHER
00001D68	R-ROLLUP
000020BF	R-DISPLAY_ROLLUP
00002330	R-LABEL_OUT
000025D4	R-MEMORY_DISPLAY
00002968	R-DECODE_ECC
00002A2C	R-ENTRY_SUMMARY_DESCRIPTOR_LOAD
00002E24	R-ENTRY_SUMMARY_UPDATE
00002FCD	R-ENTRY_SUMMARY_OUTPUT
00003109	R-PROCESSED_ENTRIES_HISTO_OUTPUT
0000321C	R-PROCESSED_ENTRIES_HISTO_UPDATE
000032A4	R-ENTRY_SUMMARY_WRITE
00003394	R-TIMCMP
00003448	RX-COMPRESSC
0000344C	RX-MOVQ
00003450	RX-GET_MEMORY_Q_INFO
00003454	RX-GET_QUEUE_INFO
00003458	RX-LINCHK
0000345C	RX-FRCTOF
00003460	RX-MOVL
00003464	RX-INSQUE
00003468	RX-GET_CURRENT_LABEL
0000346C	RX-MOVC3
00003470	RX-MOVC5
00003474	RX-COMPRESS4
00003480	RX-FOR\$IO_W_R
00003484	RX-FOR\$WRITE_SF
00003488	RX-FOR\$IO_T_DS
0000348C	RX-FOR\$IO_L_R
00003490	RX-FOR\$IO_END
0000349C	RX-LIB\$GET_VM
000034A0	RX-LIB\$EXTZV
7FFEDE48	SYSSASCTIM
7FFEDFB8	SYSSNUMTIM

Key for special characters above:

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

! Image Synopsis !

Virtual memory allocated:

00000000 000039FF 00003A00 (14848. bytes, 29. pages)

Stack size:

0. pages

Image header virtual block limits:

1.

1. (1. block)

Image binary virtual block limits:

2.

18. (17. blocks)

Image name and identification:

ERFSUMM V04-000

Number of files:

9.

Number of modules:

16.

Number of program sections:

22.

Number of global symbols:

922.

Number of cross references:

105.

Number of image sections:

20.

User transfer address:

00000000

Number of address fixups:

117.

Number of code references to shareable images:

19.

Image type:

PIC, SHAREABLE. Global Section Match=LESS/EQUAL, Ident, Major=1, Minor=0

Map format:

FULL WITH CROSS REFERENCE in file _\$255\$DUA28:[ERF.LIS]ERFSUMM.MAP;1

Estimated map length:

174. blocks

! Link Run Statistics !

Performance Indicators

	Page Faults	CPU Time	Elapsed Time
Command processing:	121	00:00:01.05	00:00:01.36
Pass 1:	212	00:00:01.84	00:00:12.92
Allocation/Relocation:	27	00:00:00.22	00:00:01.66
Pass 2:	79	00:00:01.20	00:00:09.32
Map data after object module synopsis:	19	00:00:00.59	00:00:01.31
Symbol table output:	4	00:00:00.07	00:00:00.94
Total run values:	462	00:00:04.97	00:00:27.51

Using a working set limited to 1200 pages and 527 pages of data storage (excluding image)

Total number object records read (both passes): 363

of which 141 were in libraries and 38 were DEBUG data records containing 2479 bytes

Number of modules extracted explicitly = 10

with 1 extracted to resolve undefined symbols

2 library searches were for symbols not in the library searched

A total of 5 global symbol table records was written

LINK/USERLIB=PROC/NOTRACE/MAP=MAP\$:ERFSUMM/FULL/CROSS/SHARE=EXE\$:ERFSUMM LIB\$:ERF/INCLUDE=(ERFSUMMVECT,ERFSUMMARY,ROLLUP,LABEL_OUT,M

EMORY_DISPLAY,DECODE_ECC,ENTRY_SUMMARY_DESCRIPTOR_LOAD,ENTRY_SUMMARY_UPDATE,ENTRY_SUMMARY_WRITE,TIMCMP),COM\$:PSECTATTR/OPT

EXE\$:erfshr.exe/share

EXE\$:erfcommon.exe/share

gsmatch=lequal,1,0

psect_attr=\$blank,noshr

psect_attr=\$pdata,noshr

psect_attr=\$code,noshr

psect_attr=devchar,noshr
psect_attr=dr32,noshr
psect_attr=emb,noshr
psect_attr=erfcom,noshr
psect_attr=mode,noshr
psect_attr=mrd,noshr
psect_attr=opcode,noshr
psect_attr=qiocommon,noshr
psect_attr=sa,noshr
psect_attr=syecom,noshr
psect_attr=trans_addr,noshr
psect_attr=tables,noshr
psect_attr=_lib\$code,noshr
psect_attr=_img\$code,noshr

