CLIUTL

```
RRRRRRR      UU       UU   NN        NN   DDDDDDDD    EEEEEEEEEE   TTTTTTTTTT
RRRRRRR      UU       UU   NN        NN   DDDDDDDD    EEEEEEEEEE   TTTTTTTTTT
RR      RR   UU       UU   NN        NN   DD      DD  EE                   TT
RR      RR   UU       UU   NN        NN   DD      DD  EE                   TT
RR      RR   UU       UU   NNNN      NN   DD      DD  EE                   TT
RR      RR   UU       UU   NNNN      NN   DD      DD  EE                   TT
RRRRRRR      UU       UU   NN   NN   NN   DD      DD  EEEEEEEE             TT
RRRRRRR      UU       UU   NN   NN   NN   DD      DD  EEEEEEEE             TT
RR  RR       UU       UU   NN     NNNN    DD      DD  EE                   TT
RR  RR       UU       UU   NN     NNNN    DD      DD  EE                   TT
RR      RR   UU       UU   NN        NN   DD      DD  EE                   TT
RR      RR   UU       UU   NN        NN   DD      DD  EE                   TT        ....
RR        RR UUUUUUUUUU    NN        NN   DDDDDDDD    EEEEEEEEEE           TT        ....
RR        RR UUUUUUUUUU    NN        NN   DDDDDDD     EEEEEEEEEE           TT        ....


MM        MM   AAAAAA      PPPPPPPP
MM        MM   AAAAAA      PPPPPPPP
MMMM    MMMM   AA      AA  PP      PP
MMMM    MMMM   AA      AA  PP      PP
MM   MM   MM   AA      AA  PP      PP
MM   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 !
+-----------------------------+
```

Module Name	Ident	Bytes	File	Creation Date	Creator
RUNDET	V04-000	2600	_255DUA28:[CLIUTL.OBJ]CLIUTL.OLB;1	16-Sep-1984 00:27	VAX-11 Bliss-32 V4.0-742
RUNMSG	V04-000	42	_255DUA28:[CLIUTL.OBJ]CLIUTL.OLB;1	16-SEP-1984 01:52	VAX-11 Message V04-00
CHRSUB	V04-000	169	_255DUA28:[CLIUTL.OBJ]CLIUTL.OLB;1	15-SEP-1984 23:37	VAX/VMS Macro V04-00
CNVCLIATB	V04-000	99	_255DUA28:[CLIUTL.OBJ]CLIUTL.OLB;1	15-SEP-1984 23:37	VAX/VMS Macro V04-00
CNVCLINUM	V04-000	135	_255DUA28:[CLIUTL.OBJ]CLIUTL.OLB;1	15-SEP-1984 23:39	VAX/VMS Macro V04-00
CVTTIME	V04-000	996	_255DUA28:[CLIUTL.OBJ]CLIUTL.OLB;1	15-SEP-1984 23:39	VAX/VMS Macro V04-00
SETPRIV	V04-000	611	_255DUA28:[SYSLIB]SYSBLDLIB.OLB;1	16-SEP-1984 02:19	VAX/VMS Macro V04-00
CLI$INTERFACE	V04-000	516	_255DUA28:[SYSLIB]STARLET.OLB;2	16-Sep-1984 00:32	VAX-11 Bliss-32 V4.0-742
CLI$GLOBALS	V04-000	0	_255DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:38	VAX/VMS Macro V04-00
SYS$P1_VECTOR	V04-000	0	_255DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 00:40	VAX/VMS Macro V04-00
LIBRTL2	V04-000	0	_255DUA28:[SYSLIB]LIBRTL2.EXE;1	16-SEP-1984 04:03	VAX-11 Linker V04-00
LIBRTL	V04-000	0	_255DUA28:[SYSLIB]LIBRTL.EXE;1	16-SEP-1984 04:00	VAX-11 Linker V04-00

```
                              +-----------------------------+
                              ! Image Section Synopsis !
                              +-----------------------------+
```

Cluster	Type	Pages	Base Addr	Disk VBN	PFC	Protection and Paging	Global Sec. Name	Match	Majorid	Minorid
DEFAULT_CLUSTER	0	2	00000200	2	0	READ ONLY				
	0	1	00000600	4	0	READ WRITE COPY ON REF				
	0	8	00000800	5	0	READ ONLY				
	0	1	P-00001800	13	0	READ WRITE COPY ON REF				
	0	1	00001A00	14	0	READ WRITE FIXUP VECTORS				
	253	20	7FFFD800	0	0	READ WRITE DEMAND ZERO				
LIBRTL2	3	36	00000000-R	0	0	READ ONLY	LIBRTL2_001	LESS/EQUAL	1	10
	2	1	00004800-R	0	0	READ WRITE FIXUP VECTORS	LIBRTL2_002	LESS/EQUAL	1	10
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

Key for special characters above:
```
+--------------------+
! R  - Relocatable !
! P  - Protected    !
+--------------------+
```

B 6

+------------------------------+
! Program Section Synopsis !
+------------------------------+

Psect Name	Module Name	Base	End	Length	Align	Attributes
$PLIT$		00000200 000004CF 000002D0 (		720.) LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT,NOVEC
	RUNDET	00000200 000004CF 000002D0 (		720.) LONG 2	
OWN		00000600 000007D7 000001D8 (		472.) LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
	RUNDET	00000600 000007D7 000001D8 (		472.) LONG 2	
$CODE$		00000800 00000F7B 0000077C (		1916.) LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	RUNDET	00000800 00000D75 00000576 (		1398.) LONG 2	
	CLI$INTERFACE	00000D78 00000F7B 00000204 (		516.) LONG 2	
CNVCLIATB		00000F7C 00000FDE 00000063 (		99.) BYTE 0	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	CNVCLIATB	00000F7C 00000FDE 00000063 (		99.) BYTE 0	
CNVCLINUM		00000FDF 00001065 00000087 (		135.) BYTE 0	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	CNVCLINUM	00000FDF 00001065 00000087 (		135.) BYTE 0	
_CNVCLI_CODE		00001068 000013BF 00000358 (		856.) LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	CVTTIME	00001068 000013BF 00000358 (		856.) LONG 2	
_CNVCLI_STATE		000013C0 0000144B 0000008C (		140.) BYTE 0	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	CVTTIME	000013C0 0000144B 0000008C (		140.) BYTE 0	
_LIB$CODE		0000144C 000016AE 00000263 (		611.) LONG 2	PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC
	SETPRIV	0000144C 000016AE 00000263 (		611.) LONG 2	
_LIB$KEYO$		000016B0 000016B0 00000000 (		0.) WORD 1	PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC
	RUNDET	000016B0 000016B0 00000000 (		0.) WORD 1	
_LIB$STATE$		000016B0 000016B9 0000000A (		10.) WORD 1	PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC
	RUNDET	000016B0 000016B9 0000000A (		10.) WORD 1	
_PURE		000016BA 00001762 000000A9 (		169.) BYTE 0	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	CHRSUB	000016BA 00001762 000000A9 (		169.) BYTE 0	
MSGPTR$AAAAAAAA		00001800 0000180F 00000010 (		16.) LONG 2	PIC,USR,OVR,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC
	RUNMSG	00001800 0000180F 00000010 (		16.) LONG 2	
MSGPTR$AAAAAAAB		00001810 00001813 00000004 (		4.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC
	RUNMSG	00001810 00001813 00000004 (		4.) LONG 2	
MSGPTR$AAAAAAAC		00001814 00001817 00000004 (		4.) LONG 2	PIC,USR,OVR,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC
	RUNMSG	00001814 00001817 00000004 (		4.) LONG 2	
MSGPTR$SECTION		00001818 00001829 00000012 (		18.) BYTE 0	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC
	RUNMSG	00001818 00001829 00000012 (		18.) BYTE 0	

```
+---------------------------+
! Symbol Cross Reference !
+---------------------------+
```

Symbol	Value	Defined By	Referenced By ...
CHR$CVT	000016C9-R	CHRSUB	
CHR$GETOKEN	00001735-R	CHRSUB	
CHR$K_ALPHA	00000001	CHRSUB	
CHR$K_BLANK	00000005	CHRSUB	
CHR$K_COLON	00000006	CHRSUB	
CHR$K_COMMA	00000008	CHRSUB	
CHR$K_DOLLAR	00000004	CHRSUB	
CHR$K_DOT	00000007	CHRSUB	
CHR$K_LBRAKT	0000000A	CHRSUB	
CHR$K_NUMERIC	00000002	CHRSUB	
CHR$K_RBRAKT	00000009	CHRSUB	
CHR$K_SEMI	0000000B	CHRSUB	
CHR$K_SLASH	0000000C	CHRSUB	
CHR$K_UNDRSCR	00000003	CHRSUB	
CHR$NXTNBLK	00001755-R	CHRSUB	
CHR$NXTOKEN	00001737-R	CHRSUB	
CHR$SETNBLK	00001753-R	CHRSUB	
CHR$TSTCHR	000016DC-R	CHRSUB	
CHR$TSTNX	000016DA-R	CHRSUB	
CLI$DCL_PARSE	00000E47-R	CLI$INTERFACE	
CLI$DISPATCH	00000EF8-R	CLI$INTERFACE	
CLI$GET_VALUE	00000DBB-R	CLI$INTERFACE	RUNDET
CLI$NEXT_QUAL	00000F39-R	CLI$INTERFACE	
CLI$PRESENT	00000D78-R	CLI$INTERFACE	RUNDET
CLI$_ABSENT	000381F0	CLI$GLOBALS	CLI$INTERFACE
CLI$_COMMA	0003FD39	CLI$GLOBALS	CLI$INTERFACE
CLI$_CONCAT	0003FD29	CLI$GLOBALS	CLI$INTERFACE
CLI$_DEFAULTED	0003FD21	CLI$GLOBALS	CLI$INTERFACE
CLI$_LOCNEG	00038230	CLI$GLOBALS	CLI$INTERFACE
CLI$_LOCPRES	0003FD31	CLI$GLOBALS	CLI$INTERFACE
CLI$_NEGATED	000381F8	CLI$GLOBALS	CLI$INTERFACE RUNDET
CLI$_NOCOMD	000380B0	CLI$GLOBALS	CLI$INTERFACE
CLI$_PRESENT	0003FD19	CLI$GLOBALS	CLI$INTERFACE
DCL$$COPY_DXDX	00000000		WK-CVTTIME
LIB$CVTCLIDTB	00000F8C-R	CNVCLIATB	CNVCLINUM
LIB$CVTCLIHTB	00000F96-R	CNVCLIATB	CNVCLINUM
LIB$CVTCLIOTB	00000F91-R	CNVCLIATB	CNVCLINUM
LIB$CVT_ATIME	000011ED-R	CVTTIME	
LIB$CVT_DECBIN	00000FE8-R	CNVCLINUM	
LIB$CVT_DTIME	00001218-R	CVTTIME	RUNDET
LIB$CVT_DX_DX	00001A48-RX	LIBRTL2	RUNDET
LIB$CVT_HEXBIN	00000FF6-R	CNVCLINUM	
LIB$CVT_OCTBIN	00000FEF-R	CNVCLINUM	
LIB$CVT_TIME	000010AC-R	CVTTIME	RUNDET
LIB$FIND_FILE	00001A60-RX	LIBRTL	RUNDET
LIB$FREE_VM	00001A5C-RX	LIBRTL	CLI$INTERFACE
LIB$GET_VM	00001A74-RX	LIBRTL	CLI$INTERFACE RUNDET
LIB$SCOPY_DXDX	00001A64-RX	LIBRTL	CVTTIME
LIB$SIGNAL	00001A6C-RX	LIBRTL	RUNDET

Symbol	Value	Defined By	Referenced By ...
LIB$STOP	00001A68-RX	LIBRTL	RUNDET
LIB$TPARSE	00001A70-RX	LIBRTL	RUNDET
PRV$AB_NAMES	0000144F-R	SETPRIV	
PRV$KEYWORD	00001673-R	SETPRIV	
PRV$PRIVBIT	00001625-R	SETPRIV	
PRV$SETPRIV	000015B3-R	SETPRIV	RUNDET
PRV$_INVNAM	00000002	SETPRIV	
PRV$_NOTUNQ	00000004	SETPRIV	
RUN$_CREPRC	08C0801C	RUNMSG	RUNDET
RUN$_CVTERR	08C0802C	RUNMSG	RUNDET
RUN$_FACILITY	000008C0	RUNMSG	
RUN$_GETJPI	08C08024	RUNMSG	RUNDET
RUN$_ILLVAL	08C0803C	RUNMSG	RUNDET
RUN$_INSVIRMEM	00C012F4	RUNDET	
RUN$_INVQUAVAL	00C0132A	RUNDET	
RUN$_INVUIC	08C08034	RUNMSG	RUNDET
RUN$_PARSEFAIL	00C0124C	RUNDET	
RUN$_PROC_ID	08C08009	RUNMSG	RUNDET
RUN$_SCHDWK	08C08010	RUNMSG	RUNDET
RUN$_SYNTAX	00C010FC	RUNDET	
STR$ANALYZE_SDESC	00001A58-RX	LIBRTL	CLI$INTERFACE
STR$COPY_DX	00001A54-RX	LIBRTL	CLI$INTERFACE
SYS$ASCTIM	7FFEDE48	SYS$P1_VECTOR	CVTTIME
SYS$BINTIM	7FFEDE58	SYS$P1_VECTOR	CVTTIME
SYS$CLI	7FFEDE18	SYS$P1_VECTOR	CLI$INTERFACE
SYS$CREPRC	7FFEDEC0	SYS$P1_VECTOR	RUNDET
SYS$GETJPI	7FFEE0D8	SYS$P1_VECTOR	RUNDET
SYS$GETTIM	7FFEDF78	SYS$P1_VECTOR	CVTTIME
SYS$SCHDWK	7FFEDFF0	SYS$P1_VECTOR	RUNDET
UIC_KEYS	000016B0-R	RUNDET	
UIC_STATES	000016B0-R	RUNDET	

```
                                        +--------------------+
                                        ! Symbols By Value !
                                        +--------------------+
```

Value   Symbols...
-----   ----------
00000001   CHR$K_ALPHA
00000002   CHR$K_NUMERIC   PRV$_INVNAM
00000003   CHR$K_UNDRSCR
00000004   CHR$K_DOLLAR   PRV$_NOTUNQ
00000005   CHR$K_BLANK
00000006   CHR$K_COLON
00000007   CHR$K_DOT
00000008   CHR$K_COMMA
00000009   CHR$K_RBRAKT
0000000A   CHR$K_LBRAKT
0000000B   CHR$K_SEMI
0000000C   CHR$K_SLASH
000008C0   RUN$_FACILITY
00000D78   R-CLI$PRESENT
00000DBB   R-CLI$GET_VALUE
00000E47   R-CLI$DCL_PARSE
00000EF8   R-CLI$DISPATCH
00000F39   R-CLI$NEXT_QUAL
00000F8C   R-LIB$CVTC_IDTB
00000F91   R-LIB$CVTCLIOTB
00000F96   R-LIB$CVTCLIHTB
00000FE8   R-LIB$CVT_DECBIN
00000FEF   R-LIB$CVT_OCTBIN
00000FF6   R-LIB$CVT_HEXBIN
000010AC   R-LIB$CVT_TIME
000011ED   R-LIB$CVT_ATIME
00001218   R-LIB$CVT_DTIME
0000144F   R-PRV$AB_NAMES
000015B3   R-PRV$SETPRIV
00001625   R-PRV$PRIVBIT
00001673   R-PRV$KEYWORD
000016B0   R-UIC_KEYS   R-UIC_STATES
000016C9   R-CHR$CVT
000016DA   R-CHR$TSTNXT
000016DC   R-CHR$TSTCHR
00001735   R-CHR$GETOKEN
00001737   R-CHR$NXTOKEN
00001753   R-CHR$SETNBLK
00001755   R-CHR$NXTNBLK
00001A48   RX-LIB$CVT_DX_DX
00001A54   RX-STR$COPY_DX
00001A58   RX-STR$ANALYZE_SDESC
00001A5C   RX-LIB$FREE_VM
00001A60   RX-LIB$FIND_FILE
00001A64   RX-LIB$SCOPY_DXDX
00001A68   RX-LIB$STOP
00001A6C   RX-LIB$SIGNAL
00001A70   RX-LIB$TPARSE
00001A74   RX-LIB$GET_VM

Value	Symbols...
000380B0	CLI$_NOCOMD
000381F0	CLI$_ABSENT
000381F8	CLI$_NEGATED
00038230	CLI$_LOCNEG
0003FD19	CLI$_PRESENT
0003FD21	CLI$_DEFAULTED
0003FD29	CLI$_CONCAT
0003FD31	CLI$_LOCPRES
0003FD39	CLI$_COMMA
00C010FC	RUN$_SYNTAX
00C0124C	RUN$_PARSEFAIL
00C012F4	RUN$_INSVIRMEM
00C0132A	RUN$_INVQUAVAL
08C08009	RUN$_PROC_ID
08C08010	RUN$_SCHDWK
08C0801C	RUN$_CREPRC
08C08024	RUN$_GETJPI
08C0802C	RUN$_CVTERR
08C08034	RUN$_INVUIC
08C0803C	RUN$_ILLVAL
7FFEDE18	SYS$CLI
7FFEDE48	SYS$ASCTIM
7FFEDE58	SYS$BINTIM
7FFEDEC0	SYS$CREPRC
7FFEDF78	SYS$GETTIM
7FFEDFF0	SYS$SCHDWK
7FFEE0D8	SYS$GETJPI

Key for special characters above:
```
+-------------------+
!  *  - Undefined   !
!  U  - Universal   !
!  R  - Relocatable !
!  X  - External    !
+-------------------+
```

```
                                +------------------+
                                ! Image Synopsis !
                                +------------------+
```

Virtual memory allocated: 00000200 00001BFF 00001A00 (6656. bytes, 13. pages)
Stack size: 20. pages
Image header virtual block limits: 1.   1. (1. block)
Image binary virtual block limits: 2.   14. (13. blocks)
Image name and identification: RUNDET V04-000
Number of files: 6.
Number of modules: 12.
Number of program sections: 20.
Number of global symbols: 318.
Number of cross references: 123.
Number of image sections: 10.
User transfer address: 00000800
Number of code references to shareable images: 10.
Image type: EXECUTABLE.
Map format: FULL WITH CROSS REFERENCE in file _255DUA28:[CLIUTL.LIS]RUNDET.MAP;1
Estimated map length: 94. blocks

```
                                +------------------------+
                                ! Link Run Statistics !
                                +------------------------+
```

Performance Indicators	Page Faults	CPU Time	Elapsed Time
Command processing:	95	00:00:00.19	00:00:00.46
Pass 1:	172	00:00:01.26	00:00:07.39
Allocation/Relocation:	28	00:00:00.17	00:00:02.26
Pass 2:	41	00:00:00.71	00:00:03.04
Map data after object module synopsis:	22	00:00:00.69	00:00:00.75
Symbol table output:	1	00:00:00.03	00:00:00.25
Total run values:	359	00:00:03.05	00:00:14.15

Using a working set limited to 1200 pages and 69 pages of data storage (excluding image)

Total number object records read (both passes):   435
     of which 205 were in libraries and 27 were DEBUG data records containing 1287 bytes

Number of modules extracted explicitly   = 6
     with 4 extracted to resolve undefined symbols

16 library searches were for symbols not in the library searched

A total of 0 global symbol table records was written

LINK/USERLIB=PROC/EXE=EXE$:RUNDET/MAP=MAP$:RUNDET/FULL/CROSS/NOTRACE LIB$:CLIUTL/INCLUDE=(RUNDET,RUNMSG,CHRSUB,CNVCLIATB,CNVCLINUM,C
VTTIME)

RENAME
MAP

SETP0
MAP

UNLOCK
MAP

SHOW
MAP

QUEMAN
MAP

SET
MAP

CLIUTL

CREATE
MAP

SHWCLCMD
CLD

SHWCLSTR
MAP

TYPE
MAP

RUNDET
MAP

SUBMIT
MAP