

CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCC	LLL	DDD	DDD
CCC	LLL	DDD	DDD
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CCC	LLL	DDD	DDD
CCC	LLL	DDD	DDD
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CCC	LLL	DDD	DDD
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CCC	LLL	DDD	DDD
CCC	LLL	DDD	DDD
CCC	LLL	DDD	DDD
CCC	LLL	DDD	DDD
CCC	LLL	DDD	DDD
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	

```

EEEEEEEEEE  NN      NN      CCCCCCCC  RRRRRRRR  YY      YY  PPPPPPPP  TTTTTTTTTT
EEEEEEEEEE  NN      NN      CCCCCCCC  RRRRRRRR  YY      YY  PPPPPPPP  TTTTTTTTTT
EE          NN      NN      CC          RR      RR  YY      YY  PP          PP  TT
EE          NN      NN      CC          RR      RR  YY      YY  PP          PP  TT
EE          NNNN     NN      CC          RR      RR  YY      YY  PP          PP  TT
EE          NNNN     NN      CC          RR      RR  YY      YY  PP          PP  TT
EEEEEEEEEE  NN  NN  NN  CC          RRRRRRRR  YY      YY  PPPPPPPP  TT
EEEEEEEEEE  NN  NN  NN  CC          RRRRRRRR  YY      YY  PPPPPPPP  TT
EE          NN      NNNN  CC          RR  RR  YY      YY  PP          TT
EE          NN      NNNN  CC          RR  RR  YY      YY  PP          TT
EE          NN      NN      CC          RR      RR  YY      YY  PP          TT
EE          NN      NN      CC          RR      RR  YY      YY  PP          TT
EEEEEEEEEE  NN      NN      CCCCCCCC  RR      RR  YY      YY  PP          TT
EEEEEEEEEE  NN      NN      CCCCCCCC  RR      RR  YY      YY  PP          TT

```

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```

```

CCCCCCCC  LL      DDDDDDDD
CCCCCCCC  LL      DDDDDDDD
CC          LL      DD          DD
CC          LL      DD          DD
CC          LL      DD          DD
CC          LL      DD          DD
CC          LL      DD          DD
CC          LL      DD          DD
CC          LL      DD          DD
CC          LL      DD          DD
CC          LL      DD          DD
CCCCCCCC  LLLLLLLLLL  DDDDDDDD
CCCCCCCC  LLLLLLLLLL  DDDDDDDD

```

Title encrypt.cld Command Definition for ENCRYPT/DECRYPT
Version 'V04-000'

Modified by:

V01-002	MSH0073	Michael S. Harvey	15-Aug-1984
		Add support for /JOB qualifier.	
V01-001	JEP0004	J. Eric Pollack	12-Aug-1983
		Revise syntax. Remove /supermode...	

Command definition for the VAX/VMS ENCRYPTION Facility

define the type for the /ALGORITHM= list

```
DEFINE TYPE algorithm_option
  KEYWORD DES,
  KEYWORD DES ECB,
  KEYWORD DESCBC, default
  KEYWORD DESCFB,
  KEYWORD DESDAC,
  KEYWORD RSA,
  KEYWORD ALC,
  KEYWORD VPA,
  KEYWORD NUL
```

Define the syntax of the facility command to define encryption keys

```
define syntax create_encrypt_key
  qualifier CREATE_KEY, default
  parameter p1, prompt='Key Name', value(required, type=$inlog)
  parameter p2, prompt='Key Value', value(required, type=$outlog)
  qualifier compress
  qualifier group
  qualifier hexadecimal, negatable, value(default=NOHEXADECIMAL)
!3  qualifier hexadecimal, value(default=NOHEXADECIMAL)
  qualifier log
  qualifier parity
  qualifier process, default
  qualifier system
  qualifier job
  disallow any2(system, group, process, job)
  disallow hexadecimal and compress
  disallow hexadecimal and parity
```

Define the syntax of the facility command to delete encryption keys

```
define syntax eliminate_encrypt_key
  qualifier REMOVE_KEY, default
!3  qualifier CREATE_KEY, negatable, value(default='NOCREATE_KEY')
```

```

qualifier CREATE_KEY,value(default='NOCREATE_KEY')
parameter p1,prompt='Key Name',value(required,type=$inlog)
qualifier system
qualifier group
qualifier job
qualifier process,default
qualifier log
disallow any2(system,group,process,job)

```

```

: Define the syntax of the facility command to test the encryption interfaces
:

```

```

DEFINE SYNTAX syntax test
QUALIFIER TEST_FACILITY,default
:3 qualifier CREATE_KEY,negatable,value(default='NOCREATE_KEY')
:3 qualifier REMOVE_KEY,negatable,value(default='NOREMOVE_KEY')
qualifier CREATE_KEY,value(default='NOCREATE_KEY')
qualifier REMOVE_KEY,value(default='NOREMOVE_KEY')
QUALIFIER algorithm,VALUE(LIST,
TYPE=algorithm_option)
QUALIFIER input,DEFAULT,VALUE(DEFAULT='SYSS$INPUT',TYPE=$INFILE)
QUALIFIER log
QUALIFIER output,DEFAULT,VALUE(DEFAULT='SYSS$OUTPUT',TYPE=$OUTFILE)
QUALIFIER select,VALUE(LIST,DEFAULT='QUICK')
NOPARAMETERS

```

```

: Define the root commands
:

```

```

DEFINE VERB ENCRYPT
IMAGE encryptfac
QUALIFIER CREATE_KEY,SYNTAX = create_encrypt_key
QUALIFIER REMOVE_KEY,SYNTAX = eliminate_encrypt_key
QUALIFIER TEST_FACILITY,SYNTAX = syntax_test
QUALIFIER log
PARAMETER P1,
LABEL=INPUT,
PROMPT='Input File(s)',
VALUE(REQUIRED,LIST)
PARAMETER P2,
LABEL=KEY,
PROMPT='Key Name',
VALUE(REQUIRED,TYPE=$INLOG)
QUALIFIER algorithm,
VALUE(LIST,TYPE=algorithm_option)
QUALIFIER delete
QUALIFIER erase
QUALIFIER output,
DEFAULT,
VALUE(TYPE=$OUTFILE)
QUALIFIER statistics
qualifier confirm
qualifier exclude,value(list)
qualifier before,value(default=today)
qualifier since,value(default=today)
qualifier by_owner,value(type=$uic)

```

```

DEFINE VERB DECRYPT

```

```
IMAGE encryptac
PARAMETER P1,
  LABEL=INPUT,
  PROMPT="Input File(s)",
  VALUE(REQUIRED,LIST)
PARAMETER P2,
  LABEL=KEY,
  PROMPT="Key Name",
  VALUE(REQUIRED,TYPE=$INLOG)
QUALIFIER algorithm,
  VALUE(LIST,TYPE=algorithm_option)
QUALIFIER delete
QUALIFIER erase
QUALIFIER log
QUALIFIER output,
  DEFAULT,
  VALUE(TYPE=$OUTFILE)
QUALIFIER statistics
qualifier confirm
qualifier exclude,value(list)
qualifier before,value(default=today)
qualifier since,value(default=today)
qualifier by_owner,value(type=$uic)
```

BACKUP
CLD

DCLTABLES
CLD

DISMOUNT
CLD

ENCRYPT
CLD

REPLY
CLD

CLD

CREATE
CLD

MCRINT
CLD

SET
CLD

DCLTABLES
MAP

DEF
CLD

DNO
CLD

LIBRARIAN
CLD

PASCAL
CLD

RUN
CLD

ACC
CLD

BAD
CLD

DCLINT
CLD

DELETE
CLD

DUMP
CLD

EXCHANGE
CLD

MORTABLES
CLD

PATCH
CLD

CHECKSUM
CLD

ANALYZE
CLD

EDIT
CLD

FORTRAN
CLD

LINK
CLD

MESSAGE
CLD

PHONE
CLD

CLISYMI
CLD

DIFF
CLD

MCRSET
CLD

RUNOFF
CLD

PSECTS
R32

MORTABLES
MAP

CONVERT
CLD

HELP
CLD

MACRO
CLD

MONITOR
CLD

RECOVER
CLD

UNLUSR
MAP

COPY
CLD

DIRECTORY
CLD

EDT
CLD

INIT
CLD

MAIL
CLD

MOUNT
CLD

RENAME
CLD

SDL
CLD

SEARCH
CLD