in

COLLABORATORS			
	TITLE : in		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		July 26, 2024	

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

in

1.1   ModuleInformation

```
ShowModule v1.10 (c) 1992 $#%!
now showing: "dos/dos.m"
NOTE: don't use this output in your code, use the module instead.

(----) OBJECT infodata
(   0)    numsofterrors:LONG
(   4)    unitnumber:LONG
(   8)    diskstate:LONG
(  12)    numblocks:LONG
(  16)    numblocksused:LONG
(  20)    bytesperblock:LONG
(  24)    disktype:LONG
(  28)    volumenode:LONG
(  32)    inuse:LONG
(----) ENDOBJECT      /* SIZEOF=36 */

(----) OBJECT fileinfoblock
(   0)    diskkey:LONG
(   4)    direntrytype:LONG
(   8)    filename[108]:ARRAY OF CHAR
( 116)    protection:LONG
( 120)    entrytype:LONG
( 124)    size:LONG
( 128)    numblocks:LONG
( 132)    datestamp:datestamp (or ARRAY OF datestamp)
( 144)    comment[80]:ARRAY OF CHAR
( 224)    owneruid:INT
( 226)    ownergid:INT
( 228)    reserved[32]:ARRAY OF CHAR
(----) ENDOBJECT      /* SIZEOF=260 */

(----) OBJECT datestamp
(   0)    days:LONG
(   4)    minute:LONG
(   8)    tick:LONG
(----) ENDOBJECT      /* SIZEOF=12 */

CONST ERROR_KEY_NEEDS_ARG=$75,
```

```
ERROR_NO_DEFAULT_DIR=$C9,
ERROR_NO_MORE_ENTRIES=$E8,
ERROR_OBJECT_WRONG_TYPE=$D4,
LOCK_SAME=0,
ID_NO_DISK_PRESENT=-1,
ITEM_QUOTED=2,
ITEM_UNQUOTED=1,
FIBF_EXECUTE=2,
FIBF_GRP_EXECUTE=$200,
FIBF_OTR_EXECUTE=$2000,
FIBB_EXECUTE=1,
FIBB_GRP_EXECUTE=9,
FIBB_OTR_EXECUTE=13,
LOCK_SAME_HANDLER=1,
FIBF_WRITE=4,
FIBF_GRP_WRITE=$400,
FIBF_OTR_WRITE=$4000,
FIBB_WRITE=2,
FIBB_GRP_WRITE=10,
FIBB_OTR_WRITE=14,
ACCESS_WRITE=-1,
MODE_READWRITE=$3EC,
ERROR_UNMATCHED_QUOTES=$77,
ERROR_TOO_MANY_LEVELS=$D9,
RETURN_OK=0,
ERROR_OBJECT_EXISTS=$CB,
CHANGE_LOCK=0,
ERROR_INVALID_LOCK=$D3,
EXCLUSIVE_LOCK=-1,
SHARED_LOCK=-2,
RETURN_FAIL=20,
ID_VALIDATING=$51,
ID_NOT_REALLY_DOS=$4E444F53,
DOS_EXALLCONTROL=1,
ERROR_FILE_NOT_OBJECT=$79,
ERROR_INVALID_RESIDENT_LIBRARY=$7A,
OFFSET_END=1,
RETURN_WARN=5,
ERROR_OBJECT_IN_USE=$CA,
ERROR_LOCK_TIMEOUT=$F2,
DOS_FIB=2,
LINK_SOFT=1,
LOCK_SAME_VOLUME=1,
ERROR_BAD_NUMBER=$73,
ITEM_ERROR=-1,
RETURN_ERROR=10,
ERROR_UNLOCK_ERROR=$F3,
ERROR_SEEK_ERROR=$DB,
ERROR_BAD_HUNK=$EB,
BITSPERBYTE=8,
ERROR_DISK_FULL=$DD,
ERROR_TASK_TABLE_FULL=$69,
ERROR_COMMENT_TOO_BIG=$DC,
DOS_FILEHANDLE=0,
CHANGE_FH=1,
ERROR_ACTION_NOT_KNOWN=$D1,
DOS_STDPKT=3,
```

```
ERROR_OBJECT_TOO_LARGE=$CF,
ERROR_DIRECTORY_NOT_EMPTY=$D8,
ERROR_RENAME_ACROSS_DEVICES=$D7,
ERROR_NO_FREE_STORE=$67,
LOCK_DIFFERENT=-1,
OFFSET_CURRENT=0,
ERROR_NOT_IMPLEMENTED=$EC,
ERROR_DEVICE_NOT_MOUNTED=$DA,
FIBF_PURE=$20,
FIBB_PURE=5,
DOS_RDARGS=5,
ERROR_TOO_MANY_ARGS=$76,
TICKS_PER_SECOND=$32,
LINK_HARD=0,
ERROR_READ_PROTECTED=$E0,
ERROR_WRITE_PROTECTED=$DF,
ERROR_DELETE_PROTECTED=$DE,
ERROR_DISK_WRITE_PROTECTED=$D6,
ID_WRITE_PROTECTED=$50,
FIBF_ARCHIVE=16,
FIBB_ARCHIVE=4,
ERROR_OBJECT_LINKED=$EA,
ERROR_OBJECT_NOT_FOUND=$CD,
ERROR_DIR_NOT_FOUND=$CC,
FIBF_DELETE=1,
FIBF_GRP_DELETE=$100,
FIBF_OTR_DELETE=$1000,
FIBB_DELETE=0,
FIBB_GRP_DELETE=8,
FIBB_OTR_DELETE=12,
DOS_CLI=4,
OFFSET_BEGINING=-1,
OFFSET_BEGINNING=-1,
ERROR_RECORD_NOT_LOCKED=$F0,
FIBF_READ=8,
FIBF_GRP_READ=$800,
FIBF_OTR_READ=$8000,
FIBB_READ=3,
FIBB_GRP_READ=11,
FIBB_OTR_READ=15,
ACCESS_READ=-2,
ERROR_LINE_TOO_LONG=$78,
BITSPERLONG=$20,
BYTESPERLONG=4,
ITEM_EQUAL=-2,
DOSFALSE=0,
ERROR_REQUIRED_ARG_MISSING=$74,
MININT=$80000000,
FIBF_SCRIPT=$40,
FIBB_SCRIPT=6,
ERROR_NO_DISK=$E2,
ERROR_NOT_A_DOS_DISK=$E1,
ID_MSDOS_DISK=$4D534400,
ID_KICKSTART_DISK=$4B49434B,
ID_FASTDIR_FFS_DISK=$444F5305,
ID_FASTDIR_DOS_DISK=$444F5304,
ID_INTER_FFS_DISK=$444F5303,
```

```
        ID_INTER_DOS_DISK=$444F5302,
        ID_FFS_DISK=$444F5301,
        ID_DOS_DISK=$444F5300,
        ID_UNREADABLE_DISK=$42414400,
        ERROR_DISK_NOT_VALIDATED=$D5,
        ID_VALIDATED=$52,
        ITEM_NOTHING=0,
        ERROR_BAD_TEMPLATE=$72,
        DOSTRUE=-1,
        MODE_NEWFILE=$3EE,
        MODE_OLDFILE=$3ED,
        SIGBREAKB_CTRL_C=12,
        SIGBREAKF_CTRL_C=$1000,
        SIGBREAKB_CTRL_D=13,
        SIGBREAKF_CTRL_D=$2000,
        SIGBREAKB_CTRL_E=14,
        SIGBREAKF_CTRL_E=$4000,
        SIGBREAKB_CTRL_F=15,
        SIGBREAKF_CTRL_F=$8000,
        FAULT_MAX=$52,
        ERROR_LOCK_COLLISION=$F1,
        MAXINT=$7FFFFFFF,
        ERROR_IS_SOFT_LINK=$E9,
        ERROR_INVALID_COMPONENT_NAME=$D2,
        ERROR_BAD_STREAM_NAME=$CE

#define MKBADDR/1
#define BADDR/1
#define DOSNAME/0
```