



This is part of **Family API** which allow to create dual-os version of program runs under OS/2 and DOS

Note: This is legacy API call. It is recommended to use 32-bit equivalent

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DosSetFileMode

This call changes the mode (attribute) of the specified file.

Syntax

```
DosSetFileMode (FileName, NewAttribute, Reserved)
```

Parameters

- FileName ([PSZ](#)) - input : Address of the file path name.

[DosQSysInfo](#) is called by an application during initialization to determine the maximum path length allowed by OS/2.

- NewAttribute ([USHORT](#)) - input : File's new attribute. File attributes are defined as follows:

Bit	Description
15-6	Reserved and must be zero
5	File archive
4	Subdirectory
3	Volume label
2	System file (excluded from normal directory searches)
1	Hidden file
0	Read only file

These bits may be set individually or in combination. For example, an attribute value of 0021H (bits 5 and 0 set to 1) indicates a read-only file that should be archived.

- Reserved ([ULONG](#)) - input : Reserved must be set to zero.

Return Code

rc ([USHORT](#)) - return

Return code descriptions are:

- 0 NO_ERROR
- 2 ERROR_FILE_NOT_FOUND
- 3 ERROR_PATH_NOT_FOUND
- 5 ERROR_ACCESS_DENIED
- 26 ERROR_NOT_DOS_DISK
- 32 ERROR_SHARING_VIOLATION
- 36 ERROR_SHARING_BUFFER_EXCEEDED
- 87 ERROR_INVALID_PARAMETER
- 108 ERROR_DRIVE_LOCKED
- 206 ERROR_FILENAME_EXCED_RANGE

Remarks

Attributes for Volume Label (0008H) and Subdirectory (0010H) cannot be changed using DosSetFileMode. If these attributes are specified, ERROR_INVALID_PARAMETER is returned.

[DosQFileMode](#) is used to query the current settings for file attributes. Calling [DosQFSInfo](#) obtains volume label information.

Attributes of root directories cannot be changed using DosSetFileMode. If these attributes are specified, ERROR_ACCESS_DENIED is returned.

Example Code

C Binding

```
#define INCL_DOSFILEMGR

USHORT rc = DosSetFileMode(FileName, NewAttribute, Reserved);

PSZ      FileName;      /* File path name string */
USHORT   NewAttribute;  /* New attribute of file */
ULONG    0;             /* Reserved (must be zero) */

USHORT   rc;            /* return code */
```

MASM Binding

```
EXTRN DosSetFileMode:FAR
INCL_DOSFILEMGR EQU 1

PUSH@ ASCIIZ FileName      ;File path name string
PUSH  WORD   NewAttribute   ;New attribute of file
PUSH  DWORD  0              ;Reserved (must be zero)
```

CALL DosSetFileMode

Returns **WORD**

Note

Text based on <http://www.edm2.com/index.php/DosSetFileMode>

Family API		
DOS	Process Manager	DosBeep DosExit DosSleep DosExecPgm
	File Manager	DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSetFileMode DosOpen DosQFileInfo DosRead DosQFileMode DosQFSInfo DosQVerify DosRmdir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSetFileInfo DosSetVerify DosWrite DosFileLocks DosSetFHandState DosNewSize DosBufReset DosQFHandState DosSetFSInfo DosShutdown
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGetHugeShift DosCreateCSAlias
	NLS	DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGetMessage DosInsMessage DosPutMessage
	Date and Time	DosSetDateTime DosGetDateTime
	Devices	DosDevConfig DosDevIOct1 DosDevIOct2
	Signals	DosHoldSignal DosSetSigHandler
	Misc	BadDynLink DosGetEnv DosGetMachineMode DosGetVersion DosError DosErrClass DosSetVec
KBD	KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek	
VIO	VioGetBuf VioGetConfig VioGetCurPos VioGetCurType VioGetPhysBuf VioReadCellStr VioReadCharStr VioScrollUp VioScrollDn VioScrollLf VioScrollRt VioScrUnLock VioSetCurPos VioSetCurType VioSetMode VioGetMode VioShowBuf VioWrtCellStr VioWrtCharStr VioWrtCharStrAtt VioWrtNAttr VioWrtNCell VioWrtNChar VioWrtTTY VioScrLock VioPopUp	
Tools	BIND	
Modules	DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL	
Libraries	API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB	

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