



# 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

```
<PRE> #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 */ </PRE>
```

## MASM Binding

```
<PRE> 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 </PRE>
```

## Note

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

Family API		
DOS	Process Manager	<a href="#">DosBeep</a> <a href="#">DosExit</a> <a href="#">DosSleep</a> <a href="#">DosExecPgm</a>
	File Manager	<a href="#">DosChDir</a> <a href="#">DosChgFilePtr</a> <a href="#">DosClose</a> <a href="#">DosDelete</a> <a href="#">DosDupHandle</a> <a href="#">DosMkDir</a> <a href="#">DosMove</a> <a href="#">DosQCurDir</a> <a href="#">DosQCurDisk</a> <a href="#">DosSetFileMode</a> <a href="#">DosOpen</a> <a href="#">DosQFileInfo</a> <a href="#">DosRead</a> <a href="#">DosQFileMode</a> <a href="#">DosQFSInfo</a> <a href="#">DosQVerify</a> <a href="#">DosRmDir</a> <a href="#">DosSelectDisk</a> <a href="#">DosFindClose</a> <a href="#">DosFindFirst</a> <a href="#">DosFindNext</a> <a href="#">DosSetFileInfo</a> <a href="#">DosSetVerify</a> <a href="#">DosWrite</a> <a href="#">DosFileLocks</a> <a href="#">DosSetFHandState</a> <a href="#">DosNewSize</a> <a href="#">DosBufReset</a> <a href="#">DosQFHandState</a> <a href="#">DosSetFSInfo</a> <a href="#">DosShutdown</a>
	Memory Manager	<a href="#">DosFreeSeg</a> <a href="#">DosSubAlloc</a> <a href="#">DosSubFree</a> <a href="#">DosSubSet</a> <a href="#">DosAllocHuge</a> <a href="#">DosAllocSeg</a> <a href="#">DosReallocHuge</a> <a href="#">DosReallocSeg</a> <a href="#">DosGetHugeShift</a> <a href="#">DosCreateCSAlias</a>
	NLS	<a href="#">DosCaseMap</a> <a href="#">DosGetCtryInfo</a> <a href="#">DosGetDBCSEv</a> <a href="#">DosSetCtryCode</a> <a href="#">DosGetCollate</a> <a href="#">DosGetMessage</a> <a href="#">DosInsMessage</a> <a href="#">DosPutMessage</a>
	Date and Time	<a href="#">DosSetDateTime</a> <a href="#">DosGetDateTime</a>
	Devices	<a href="#">DosDevConfig</a> <a href="#">DosDevIOct1</a> <a href="#">DosDevIOct2</a>
	Signals	<a href="#">DosHoldSignal</a> <a href="#">DosSetSigHandler</a>
	Misc	<a href="#">BadDynLink</a> <a href="#">DosGetEnv</a> <a href="#">DosGetMachineMode</a> <a href="#">DosGetVersion</a> <a href="#">DosError</a> <a href="#">DosErrClass</a> <a href="#">DosSetVec</a>
KBD	<a href="#">KbdCharIn</a> <a href="#">KbdFlushBuffer</a> <a href="#">KbdGetStatus</a> <a href="#">KbdSetStatus</a> <a href="#">KbdStringIn</a> <a href="#">KbdPeek</a>	

<b>Family API</b>	
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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