



Note: This API call is for DOS and Win16 personality only. Use [Family API](#) for portability.

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Int 21H, AH=43H, AL=00H

Version

2 and higher

Brief

GET FILE ATTRIBUTES

Family API

[DosQFileMode](#)

Input

- AX = 4300h
- DS:DX → ASCIZ filename

Return

- CF clear if successful
 - CX = file attributes (see #01420)
 - AX = CX (DR DOS 5.0)
- CF set on error
 - AX = error code (01h,02h,03h,05h) (see #01680 at AH=59h)

Macro

Notes

Bitfields for file attributes:

| Bit(s) | Description |
|--------|--------------|
| 7 | unused |
| 6 | unused |
| 5 | archive |
| 4 | directory |
| 3 | volume label |
| 2 | system |
| 1 | hidden |
| 0 | read-only |

under DR DOS 3.41 and 5.0, attempts to change the subdirectory bit are simply ignored without an error

BUG: Windows for Workgroups returns error code 05h (access denied) instead of error code 02h (file not found) when attempting to get the attributes of a nonexistent file. This causes open() with O_CREAT and fopen() with the "w" mode to fail in Borland C++.

See also

[AX=4301h](#), [AX=7143h](#)

Note

Text based on [Ralf Brown Interrupt List Release 61](#)

| DOS API | |
|----------------------|---|
| Process manager | INT 20H , INT 21H : 00H , 25H , 26H , 31H , 34H , 35H , 4BH , 4CH , 4DH , 50H , 51H , 52H , 55H , 62H , INT 22H , INT 27H , INT 28H |
| File manager | INT 25H , INT 26H , INT 21H : 0DH , 0EH , 0FH , 10H , 11H , 12H , 13H , 14H , 15H , 16H , 17H , 19H , 1AH , 1BH , 1CH , 21H , 22H , 23H , 24H , 27H , 28H , 29H , 2EH , 2FH , 32H , 3305H , 36H , 39H , 3AH , 3BH , 3CH , 3DH , 3EH , 3FH , 40H , 41H , 42H , 4300H , 4301H , 45H , 45H , 46H , 4EH , 4FH , 54H , 56H , 5700H , 5701H , 5AH , 5BH , 5c00H , 5c01H , 60H , 67H , 68H , 6900H , 6901H , 6AH , 6CH |
| Character Device I/O | INT 29H , INT 21H : 01H , 02H , 03H , 04H , 05H , 06H , 07H , 08H , 09H , 0AH , 0BH , 0AH , 0CH , 5D07H , 5D08H , 5D09H , 5D0AH |
| Signals | INT 23H , INT 24H , INT 21H : 3300H , 3301H , 3302H |
| Memory manager | INT 21H : 48H , 49H , 4AH , 5800H , 5801H , 5802H , 5803H |
| Date and Time | INT 21H : 2AH , 2BH , 2CH , 2DH |
| Misc | INT 21H : 30H , 3306H , 3700H , 3701H , 3702H , 3703H , 59H |
| NLS | INT 21H : 3303H , 3304H , 3800H , 3801H , 6300H , 6301H , 6301H , 6500H , 6501H , 6502H , 6503H , 6504H , 6505H , 6506H , 6507H , 6520H , 6521H , 6522H , 6523H , 65A0H , 65A1H , 65A2H , 6601H , 6602H |

| DOS API | |
|-----------------------------|--|
| Devices | INT 21H: 4400H, 4401H, 4402H, 4403H, 4404H, 4405H, 4406H, 4407H, 4408H, 4409H, 440AH, 440BH, 440CH, 440DH, 440EH, 440FH, 4410H, 4411H, 53H |
| Network | INT 21H: 5E00H, 5E01H, 5E02H, 5E03H, 5E04H, 5E05H, 5F00H, 5F01H, 5F02H, 5F03H, 5F04H, 5F05H, 5F07H, 5F08H |
| osFree Macro Library | |
| Video I/O | @SetMode @SetCurSz @SetCurPos @GetCur @SetPage @ScrollUp @ScrollDn @Scroll @GetChAtr @PutChAtr @PutCh @SetPalet @SetColor @SetDot @GetDot @WrtTTY @VideoState @GetMode @GetDisplay @GetVideoState @GetEGAInfo @CIs |
| Hardware info | @Equipment @MemSize |
| Serial I/O | @AuxInit @AuxSendChar @AuxRecieveChar @AuxStatus |
| Tape I/O | @TapeOn @TapeOff @TapeRead @TapeWrite |
| Keyboard I/O | @KbdStatus @CharIn @CharPeek |
| Printer I/O | @PrnPrint @PrnInit @PrnStatus |
| Disk I/O | @DskReset @DskStatus @DskRead @DskWrite @DskVerify @DskFormat |
| Date and Time | @SetTime @GetTime |
| Mouse | @MouInit @MouShowPointer @MouStatus @MouSetPos @MouSetMickey @MouRegion |
| Memory manager | @ModBlok SET_BLOCK |

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| 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 DosDevIOCtl DosDevIOCtl2 |
| | Signals | DosHoldSignal DosSetSigHandler |
| KBD | 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 VIOCcalls.DLL KBDCalls.DLL MSG.DLL |
| | Libraries | API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB |

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Last update: **2025/08/02 04:10**

