



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

2018/09/07 05:04 · prokushev · [0 Comments](#)

# Int 21H, AH=5AH

## Version

3 and higher

## Brief

CREATE TEMPORARY FILE

## Family API

## Input

```
AH = 5Ah
CX = file attribute (see #01420 at AX=4301h)
DS:DX -> ASCIZ path ending with a '\' + 13 zero bytes to receive the
        generated filename
```

## Return

```
CF clear if successful
  AX = file handle opened for read/write in compatibility mode
  DS:DX pathname extended with generated name for temporary file
CF set on error
  AX = error code (03h,04h,05h) (see #01680)
```

## Notes

Desc: creates a file with a unique name which must be explicitly deleted Notes: under the FlashTek X-32 DOS extender, the path pointer is in DS:EDX

MS-DOS 3.0-4.0 and DR DOS 3.4-5.0 generate the filename as a sequence of hex digits based on the current date and time; MS-DOS 6+, DR DOS 6, and Novell DOS 7 use letters A-P in place of hex digits MS-DOS 5.0 and DR DOS 3.41/5.0 will insert a missing trailing backslash before appending the generated filename, but due to this, an empty string results in a file in the root directory

BUGS: COMPAQ DOS 3.31 hangs if the pathname is at XXXXh:0000h; it apparently

wraps around to the end of the segment  
MS-DOS 5.00 revisions A and B and PC-DOS 5.00 revision A reportedly hang the system if the specified path is the root directory and the root directory is full (no free directory entries)  
Mark Incley <mincley@krisalis.demon.co.uk> reports that this function hangs in MS-DOS 6.2x if the name includes two consecutive path separators (e.g. C:\\\ )

## See also

AH=3Ch, AH=5Bh

## Note

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

<b>DOS API</b>	
Process manager	<a href="#">INT 20H</a> , <a href="#">INT 21H</a> : <a href="#">00H</a> , <a href="#">25H</a> , <a href="#">26H</a> , <a href="#">31H</a> , <a href="#">34H</a> , <a href="#">35H</a> , <a href="#">4BH</a> , <a href="#">4CH</a> , <a href="#">4DH</a> , <a href="#">50H</a> , <a href="#">51H</a> , <a href="#">52H</a> , <a href="#">55H</a> , <a href="#">62H</a> , <a href="#">INT 22H</a> , <a href="#">INT 27H</a> , <a href="#">INT 28H</a>
File manager	<a href="#">INT 25H</a> , <a href="#">INT 26H</a> , <a href="#">INT 21H</a> : <a href="#">0DH</a> , <a href="#">0EH</a> , <a href="#">0FH</a> , <a href="#">10H</a> , <a href="#">11H</a> , <a href="#">12H</a> , <a href="#">13H</a> , <a href="#">14H</a> , <a href="#">15H</a> , <a href="#">16H</a> , <a href="#">17H</a> , <a href="#">19H</a> , <a href="#">1AH</a> , <a href="#">1BH</a> , <a href="#">1CH</a> , <a href="#">21H</a> , <a href="#">22H</a> , <a href="#">23H</a> , <a href="#">24H</a> , <a href="#">27H</a> , <a href="#">28H</a> , <a href="#">29H</a> , <a href="#">2EH</a> , <a href="#">2FH</a> , <a href="#">32H</a> , <a href="#">3305H</a> , <a href="#">36H</a> , <a href="#">39H</a> , <a href="#">3AH</a> , <a href="#">3BH</a> , <a href="#">3CH</a> , <a href="#">3DH</a> , <a href="#">3EH</a> , <a href="#">3FH</a> , <a href="#">40H</a> , <a href="#">41H</a> , <a href="#">42H</a> , <a href="#">4300H</a> , <a href="#">4301H</a> , <a href="#">45H</a> , <a href="#">45H</a> , <a href="#">46H</a> , <a href="#">4EH</a> , <a href="#">4FH</a> , <a href="#">54H</a> , <a href="#">56H</a> , <a href="#">5700H</a> , <a href="#">5701H</a> , <a href="#">5AH</a> , <a href="#">5BH</a> , <a href="#">5c00H</a> , <a href="#">5c01H</a> , <a href="#">60H</a> , <a href="#">67H</a> , <a href="#">68H</a> , <a href="#">6900H</a> , <a href="#">6901H</a> , <a href="#">6AH</a> , <a href="#">6CH</a>
Character Device I/O	<a href="#">INT 29H</a> , <a href="#">INT 21H</a> : <a href="#">01H</a> , <a href="#">02H</a> , <a href="#">03H</a> , <a href="#">04H</a> , <a href="#">05H</a> , <a href="#">06H</a> , <a href="#">07H</a> , <a href="#">08H</a> , <a href="#">09H</a> , <a href="#">0AH</a> , <a href="#">0BH</a> , <a href="#">0AH</a> , <a href="#">0CH</a> , <a href="#">5D07H</a> , <a href="#">5D08H</a> , <a href="#">5D09H</a> , <a href="#">5D0AH</a>
Signals	<a href="#">INT 23H</a> , <a href="#">INT 24H</a> , <a href="#">INT 21H</a> : <a href="#">3300H</a> , <a href="#">3301H</a> , <a href="#">3302H</a>
Memory manager	<a href="#">INT 21H</a> : <a href="#">48H</a> , <a href="#">49H</a> , <a href="#">4AH</a> , <a href="#">5800H</a> , <a href="#">5801H</a> , <a href="#">5802H</a> , <a href="#">5803H</a>
Date and Time	<a href="#">INT 21H</a> : <a href="#">2AH</a> , <a href="#">2BH</a> , <a href="#">2CH</a> , <a href="#">2DH</a>
Misc	<a href="#">INT 21H</a> : <a href="#">30H</a> , <a href="#">3306H</a> , <a href="#">3700H</a> , <a href="#">3701H</a> , <a href="#">3702H</a> , <a href="#">3703H</a> , <a href="#">59H</a>
NLS	<a href="#">INT 21H</a> : <a href="#">3303H</a> , <a href="#">3304H</a> , <a href="#">3800H</a> , <a href="#">3801H</a> , <a href="#">6300H</a> , <a href="#">6301H</a> , <a href="#">6301H</a> , <a href="#">6500H</a> , <a href="#">6501H</a> , <a href="#">6502H</a> , <a href="#">6503H</a> , <a href="#">6504H</a> , <a href="#">6505H</a> , <a href="#">6506H</a> , <a href="#">6507H</a> , <a href="#">6520H</a> , <a href="#">6521H</a> , <a href="#">6522H</a> , <a href="#">6523H</a> , <a href="#">65A0H</a> , <a href="#">65A1H</a> , <a href="#">65A2H</a> , <a href="#">6601H</a> , <a href="#">6602H</a>
Devices	<a href="#">INT 21H</a> : <a href="#">4400H</a> , <a href="#">4401H</a> , <a href="#">4402H</a> , <a href="#">4403H</a> , <a href="#">4404H</a> , <a href="#">4405H</a> , <a href="#">4406H</a> , <a href="#">4407H</a> , <a href="#">4408H</a> , <a href="#">4409H</a> , <a href="#">440AH</a> , <a href="#">440BH</a> , <a href="#">440CH</a> , <a href="#">440DH</a> , <a href="#">440EH</a> , <a href="#">440FH</a> , <a href="#">4410H</a> , <a href="#">4411H</a> , <a href="#">53H</a>

<b>DOS API</b>	
Network	<a href="#">INT 21H: 5E00H, 5E01H, 5E02H, 5E03H, 5E04H, 5E05H, 5F00H, 5F01H, 5F02H, 5F03H, 5F04H, 5F05H, 5F07H, 5F08H</a>

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Hardware info	<a href="#">@Equipment @MemSize</a>
Serial I/O	<a href="#">@AuxInit @AuxSendChar @AuxRecieveChar @AuxStatus</a>
Tape I/O	<a href="#">@TapeOn @TapeOff @TapeRead @TapeWrite</a>
Keyboard I/O	<a href="#">@KbdStatus @CharIn @CharPeek</a>
Printer I/O	<a href="#">@PrnPrint @PrnInit @PrnStatus</a>
Disk I/O	<a href="#">@DskReset @DskStatus @DskRead @DskWrite @DskVerify @DskFormat</a>
Date and Time	<a href="#">@SetTime @GetTime</a>
Mouse	<a href="#">@MouInit @MouShowPointer @MouStatus @MouSetPos @MouSetMickey @MouRegion</a>
Memory manager	<a href="#">@ModBlok SET_BLOCK</a>

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**Family API**

DOS	Process Manager	<a href="#">DosBeep DosExit DosSleep DosExecPgm</a>
	File Manager	<a href="#">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</a>
	Memory Manager	<a href="#">DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGetHugeShift DosCreateCSAlias</a>
	NLS	<a href="#">DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGetMessage DosInsMessage DosPutMessage</a>
	Date and Time	<a href="#">DosSetDateTime DosGetDateTime</a>
	Devices	<a href="#">DosDevConfig DosDevIOctI DosDevIOctI2</a>
	Signals	<a href="#">DosHoldSignal DosSetSigHandler</a>
	Misc	<a href="#">BadDynLink DosGetEnv DosGetMachineMode DosGetVersion DosError DosErrClass DosSetVec</a>
KBD	<a href="#">KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek</a>	
VIO	<a href="#">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</a>	
Tools	<a href="#">BIND</a>	
Modules	<a href="#">DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL</a>	
Libraries	<a href="#">API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB</a>	

2018/08/25 15:05 · prokushev · 0 Comments

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Last update: **2021/08/01 07:31**

