



# DosChgFilePtr

This call moves the read/write pointer in accordance with the type of move specified.

## Syntax

```
DosChgFilePtr (FileHandle, Distance, MoveType, NewPointer)
```

## Parameters

- FileHandle ([HFILE](#)) - input : Handle returned by a previous DosOpen call.
- Distance ([LONG](#)) - input : The offset to move, in bytes.
- MoveType ([USHORT](#)) - input : Method of moving. Specifies a location in the file from where Distance to move the read/write pointer starts. Values and their meanings are:

Value	Definition
0	Beginning of the file.
1	Current location of the read/write pointer.
2	End of the file. Use this method to determine a file's size.

- NewPointer ([PULONG](#)) - output : Address of the new pointer location.

## Return Code

rc ([USHORT](#)) - return

Return code descriptions are:

- 0 NO\_ERROR
- 1 ERROR\_INVALID\_FUNCTION
- 6 ERROR\_INVALID\_HANDLE

## Remarks

The read/write pointer in a file is a signed 32-bit number. A negative value moves the pointer backward in the file. A positive value moves the pointer forward. DosChgFilePtr cannot be used to seek to a negative position in the file.

This call may not be used for a character device or pipe.

**Example Code****C Binding**

```
#define INCL_DOSFILEMGR

USHORT rc = DosChgFilePtr(FileHandle, Distance, MoveType, NewPointer);

HFILE FileHandle; /* File handle */
LONG Distance; /* Distance to move in bytes */
USHORT MoveType; /* Method of moving (0, 1, 2) */
PULONG NewPointer; /* New Pointer Location */

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

This example opens file test.dat, writes some data, and resets the file pointer to the beginning of the file.

```
#define INCL_DOSFILEMGR

#define OPEN_FILE 0x01
#define CREATE_FILE 0x10
#define FILE_ARCHIVE 0x20
#define FILE_EXISTS OPEN_FILE
#define FILE_NOEXISTS CREATE_FILE
#define DASD_FLAG 0
#define INHERIT 0x80
#define WRITE_THRU 0
#define FAIL_FLAG 0
#define SHARE_FLAG 0x10
#define ACCESS_FLAG 0x02

#define FILE_NAME "test.dat"
#define FILE_SIZE 800L
#define FILE_ATTRIBUTE FILE_ARCHIVE
#define RESERVED 0L

HFILE FileHandle;
USHORT Wrote;
USHORT Action;
PUSHORT Local;
PSZ FileData[100];
USHORT rc;

Action = 2;
strcpy(FileData, "Data...");
if(!DosOpen(FILE_NAME, /* File path name */
            &FileHandle, /* File handle */
            &Action, /* Action taken */
            FILE_SIZE, /* File primary allocation */
```

```

FILE_ATTRIBUTE,           /* File attribute */
FILE_EXISTS | FILE_NOEXIST,    /* Open function type */
DASD_FLAG | INHERIT |        /* Open mode of the file */
WRITE_THRU | FAIL_FLAG | 
SHARE_FLAG | ACCESS_FLAG,
RESERVED))                /* Reserved (must be zero) */

if( !DosWrite(FileHandle,          /* File handle */
              (PVOID) FileData,      /* User buffer */
              sizeof(FileData),     /* Buffer length */
              &Wrote))               /* Bytes written */

rc = DosChgFilePtr(FileHandle,    /* File handle */
                   MOVE_DIST,       /* Distance to move in bytes */
                   FILE_BEG,         /* Method of moving */
                   &Local);          /* New pointer location */

```

## MASM Binding

```

EXTRN DosChgFilePtr:FAR
INCL_DOSFILEMGR EQU 1

PUSH WORD FileHandle ;File handle
PUSH DWORD Distance ;Distance to move in bytes
PUSH WORD MoveType ;Method of moving (0, 1, 2)
PUSH@ DWORD NewPointer ;New Pointer Location (returned)
CALL DosChgFilePtr

```

Returns WORD

### Note

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

<b>Family API</b>	
DOS	Process Manager DosBeep DosExit DosSleep DosExecPgm
	File Manager DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSet FileMode DosOpen DosQFileInfo DosRead DosQ FileMode DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSet FileInfo DosSet Verify DosWrite DosFileLocks DosSet FHandState DosNewSize DosBufReset DosQFHandState DosSet FInfo
	Memory Manager DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAlloc Huge DosAlloc Seg DosRealloc Huge DosRealloc Seg DosGet Huge Shift DosCreate CS Alias
	NLS DosCaseMap DosGet Ctry Info DosGet DBCSEv DosSet Ctry Code DosGet Collate DosGet Message DosIns Message DosPut Message
	Date and Time DosSet Date Time DosGet Date Time
	Devices DosDevConfig DosDevIOCtl DosDevIOCtl2
	Signals DosHoldSignal DosSet Sig Handler
	Misc BadDynLink DosGet Env DosGet Machine Mode DosGet Version DosError DosErr Class DosSet Vec
KBD	KbdCharIn KbdFlushBuffer KbdGet Status KbdSet Status KbdStringIn KbdPeek
VIO	VioGet Buf VioGet Config VioGet Cur Pos VioGet Cur Type VioGet Phys Buf VioRead Cell Str VioRead Char Str VioScroll Up VioScroll Dn VioScroll If VioScroll Rt VioScr Un Lock VioSet Cur Pos VioSet Cur Type VioSet Mode VioGet Mode VioShow Buf VioWrt Cell Str VioWrt Char Str VioWrt Char Str Att VioWrt N Attr VioWrt N Cell VioWrt N Char VioWrt TTY VioScr Lock VioPop Up
Tools	BIND
Modules	DOSCALLS.DLL VIOCALS.DLL KBDCALS.DLL MSG.DLL
Libraries	API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB

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