



# 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

```
<PRE> #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 */ </PRE> This example opens file test.dat, writes some data, and resets  
the file pointer to the beginning of the file. <PRE> #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_NOEXISTS, /* 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 */
```

```
</PRE>
```

## MASM Binding

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

**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 DosSetFileMode DosOpen DosQFileInfo DosRead DosQFileMode DosQFSInfo DosQVerify DosRmdir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSetFileInfo DosSetVerify DosWrite DosFileLocks DosSetFHandState DosNewSize DosBufReset DosQFHandState DosSetFSInfo |
|                   | 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   |
|                   | 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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