# 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

| **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 |
| | 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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