



This is part of **Family API** which allow to create dual-os version of program runs under OS/2 and DOS

**Note:** This is legacy API call. It is recommended to use 32-bit equivalent

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## DosMove

This call moves a file object to another location and changes its name.

### Syntax

```
DosMove (OldPathName, NewPathName, Reserved)
```

### Parameters

- OldPathName (**PSZ**) - input : Address of the old path name of the file to be moved.
- NewPathName (**PSZ**) - input : Address of the new path name of the file.
- Reserved (**ULONG**) - input : Reserved and must be set to zero.

### Return Code

rc (**USHORT**) - return

Return code descriptions are:

- 0 NO\_ERROR
- 2 ERROR\_FILE\_NOT\_FOUND
- 3 ERROR\_PATH\_NOT\_FOUND
- 5 ERROR\_ACCESS\_DENIED
- 17 ERROR\_NOT\_SAME\_DEVICE
- 26 ERROR\_NOT\_DOS\_DISK
- 32 ERROR\_SHARING\_VIOLATION
- 36 ERROR\_SHARING\_BUFFER\_EXCEEDED
- 87 ERROR\_INVALID\_PARAMETER
- 108 ERROR\_DRIVE\_LOCKED
- 206 ERROR\_FILENAME\_EXCED\_RANGE
- 250 ERROR\_CIRCULARITY\_REQUESTED
- 251 ERROR\_DIRECTORY\_IN\_CDS

## Remarks

This call is often used to change only the name of a file or subdirectory, allowing the file object to remain in the same subdirectory. Global file name characters are not allowed in the source or target name.

If the paths specified are different, this allows the subdirectory location of the file object to be changed as well. If a drive is specified for the target, it must be the same as the one specified or implied by the source.

Any attempts to move a parent subdirectory to one of its descendant subdirectories are rejected, because a subdirectory cannot be both an ancestor and a descendant of the same subdirectory. Any attempts by a process to move the current subdirectory or any of its ancestors are also rejected.

Attributes (times and dates) of the source file object are moved to the target. If read-only files exist in the target path, they are not replaced.

[DosQSysInfo](#) is called during initialization by an application to determine the maximum path length allowed by OS/2.

DosMove can be used to change the case of a file on an FSD drive. The following example would change the name of the file to "File.Txt". `DosMove("file.txt","File.Txt")`

## Family API Considerations

Some options operate differently in the DOS mode than in the OS/2 mode. Therefore, the following restriction applies to DosMove when coding for the DOS mode:

File names passed to OldPathName and NewPathName are truncated by the system in the DOS mode only. The application must truncate all files passed to OldPathName and NewPathName in the OS/2 mode or an error code is returned.

## Example Code

### C Binding

```
#define INCL_DOSFILEMGR

USHORT rc = DosMove(OldPathName, NewPathName, Reserved);

PSZ      OldPathName; /* Old path name string */
PSZ      NewPathName; /* New path name string */
ULONG    0;           /* Reserved (must be zero) */

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

## MASM Binding

```

EXTRN  DosMove:FAR
INCL_DOSFILEMGR      EQU 1

PUSH@  ASCIIZ  OldPathName    ;Old path name string
PUSH@  ASCIIZ  NewPathName    ;New path name string
PUSH   DWORD   0              ;Reserved (must be zero)
CALL   DosMove
    
```

Returns WORD

## Note

Text based on [http://www.edm2.com/index.php/DosMove\\_\(FAPI\)](http://www.edm2.com/index.php/DosMove_(FAPI))

| 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 |
|            | 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 DosDevIOct1 DosDevIOct12  |
|            | 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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