

# DosClose

This call closes a handle to a file, pipe, or device.

#### Syntax

```
DosClose (FileHandle)
```

#### Parameters

- FileHandle (HFILE) - input : Handle returned by a previous DosOpen, DosMakeNmPipe, or DosMakePipe call.

#### Return Code

```
rc (USHORT) - return
```

Return code descriptions are:

- 0 NO_ERROR
- 2 ERROR_FILE_NOT_FOUND
- 5 ERROR_ACCESS_DENIED
- 6 ERROR_INVALID_HANDLE

#### Remarks

Issuing DosClose with the handle to a file closes a handle to a file, pipe, or device.

If one or more additional handles to a file have been created with DosDupHandle, the directory is not updated and all internal buffers are not written to the medium until DosClose has been issued for the duplicated handles.

Closing a handle to a device causes the device to be notified of the close, if appropriate.

### Named Pipe Considerations

DosClose closes a named pipe by handle. When all handles referencing one end of a pipe are closed, the pipe is considered broken.

If the client end closes, no other process can re-open the pipe until the serving end issues a

DosDisConnectNmPipe followed by a DosConnectNmPipe.

If the server end closes when the pipe is already broken, it is deallocated immediately; otherwise, the pipe is not deallocated until the last client handle is closed.

#### Example Code

### C Binding

```
#define INCL_DOSFILEMGR

USHORT  rc = DosClose(FileHandle);

HFILE            FileHandle;    /* File handle */
USHORT           rc;            /* return code */
```

This example opens a file, then closes it.

```
#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;
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) */
    rc = DosClose(FileHandle);           /* File Handle */
```

#### MASM Binding

```
EXTRN  DosClose:FAR
INCL_DOSFILEMGR     EQU 1

PUSH   WORD    FileHandle    ;File handle
CALL   DosClose
```

Returns WORD

# Note

Text based on http://www.edm2.com/index.php/DosClose_(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 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 |

| **Family API** | |
|---|---|
| Tools | BIND |
| Modules | DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL |
| Libraries | API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB |

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

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Last update: **2018/09/02 02:50**