



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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This call frees the reference to a dynamic link module for a process. When the dynamic link module is no longer needed by any process, the module is freed from system memory.

Syntax

DosFreeModule (ModuleHandle)

Parameters

;ModuleHandle (HMODULE) - input : Handle returned by DosLoadModule.

Return Code

;rc (USHORT) - return:Return code descriptions are: *0 NO_ERROR *6 ERROR_INVALID_HANDLE *12 ERROR_INVALID_ACCESS *95 ERROR_INTERRUPT

Remarks

The module identified by the handle must be loaded through [DosLoadModule](#). An error is returned if the handle is invalid.

If any exit list routines were registered as a result of this module being loaded, the module may not be freed and ERROR_INVALID_ACCESS may be returned.

When DosFreeModule returns to the caller, the module handle is no longer valid and is not used to reference the dynamic link module. Procedure entry addresses returned for this module are no longer valid and cause a protection fault if they are invoked.

Bindings

C

```
<PRE> #define INCL_DOSMODULEMGR
```

```
USHORT rc = DosFreeModule(ModuleHandle); HMODULE ModuleHandle; /* Module handle */
```

```
USHORT rc; /* return code */ </PRE>
```

MASM

```
<PRE> EXTRN DosFreeModule:FAR INCL_DOSMODULEMGR EQU 1
```

```
PUSH WORD ModuleHandle ;Module handle CALL DosFreeModule
```

```
Returns WORD </PRE>
```

Example

This example tries to load module ABCD. The system searches LIBPATH. If unsuccessful, the system tries to load the module from the program's directory (in case the user forgot to update LIBPATH).

```
<PRE> #define INCL_DOSMODULEMGR
```

```
#define MODULE_NAME "abcd" #define FULL_MODULE_NAME "\\nifty\\abcd.dll"
```

```
CHAR LoadError[100]; HMODULE ModuleHandle; USHORT rc;
```

```
if (DosLoadModule(LoadError, /* Object name buffer */
                 sizeof(LoadError), /* Length of object name buffer */
                 /*
                 MODULE_NAME, /* Module name string */
                 &ModuleHandle) == 2) /* Module handle */
    rc = DosLoadModule(LoadError, /* Object name buffer */
                     sizeof(LoadError), /* Length of object name buffer */
                     /*
                     FULL_MODULE_NAME, /* Module name string */
                     &ModuleHandle); /* Module handle */
rc = DosFreeModule(ModuleHandle); /* Module handle */
```

```
</PRE>
```

| 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 DosDevIOct2 |
| | 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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