



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

2021/09/17 04:47 · prokushhev · [0 Comments](#)

2021/08/20 03:18 · prokushhev · [0 Comments](#)

DosGetMachineMode

This call returns the current mode of the processor, whether the processor is running in the DOS mode or the OS/2 mode. This allows an application to determine whether a dynamic link call is valid or not.

Syntax

```
DosGetMachineMode (MachineMode)
```

Parameters

- MachineMode (PBYTE) - output: Address of the value to indicate the current processor mode.
This value may be:
 - 0 - DOS (real) mode
 - 1 - OS/2 (protected) mode.

Return Code

- rc (USHORT) - return

Return code description is:

- 0 NO_ERROR

Remarks

All dynamic link calls are available to an application if the MachineMode value indicates the program is in OS/2 mode. This method provides a self-tailoring application that allows the application to adapt to the execution environment by limiting or enhancing the functions it provides.

If the MachineMode value indicates the program is in DOS mode (or real), the application is limited to a subset of dynamic link calls listed in the [Family API](#).

Example Code

C Binding

```
#define INCL_DOSMISC

USHORT rc = DosGetMachineMode(MachineMode);
PBYTE MachineMode; /* Processor mode (returned) */
USHORT rc;           /* return code */
```

MASM Binding

```
EXTRN DosGetMachineMode:FAR
INCL_DOSMISC EQU 1

PUSH@ BYTE MachineMode ;Processor mode (returned)
CALL DosGetMachineMode
```

Returns WORD

Note

Text based on <http://www.edm2.com/index.php/DosGetMachineMode>

OS/2 API		
DOS	Process Manager	DosBeep DosExit DosSleep DosExecPgm
	File Manager	DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir dos16qcurdisk DosSet FileMode DosOpen DosQFileInfo DosRead DosQ FileMode DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSet FileInfo DosSet Verify DosWrite DosFileLocks DosSetFHandState DosNewSize DosBufReset DosQFHandState DosSetFInfo
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGetHugeShift DosCreateCSAlias
	NLS	DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate
	Date and Time	DosSetDateTime DosGetDateTime
	Devices	DosDevConfig DosDevIOCtl
	Signals	DosHoldSignal DosSetSigHandler
	Misc	DosGetEnv DosGetMachineMode DosGetMessage DosGetVersion DosInsMessage DosPutMessage DosError DosErrClass DosSetVec
Keyboard Router		KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek
Video Router		VioGetBuf VioGetCurPos VioGetCurType VioGetPhysBuf VioReadCellStr VioReadCharStr VioScrollDn VioScrollLf VioScrollRt VioScrUnLock VioSetCurPos VioSetCurType VioSetMode VioShowBuf VioWrtCellStr VioWrtCharStr VioWrtCharStrAtt VioWrtNAttr VioWrtNCell VioWrtNChar VioWrtTTY VioScrLock VioGetCP
Mouse Router		
Presentation Manager		
Workplace Shell		
REXX		
MMIO/2		
Tools		
Modules		Modules list
Libraries		DOSCALLS.LIB OS2.LIB PMMLE.LIB REXX.LIB RXSTRING.LIB OS2286.LIB OS2386.LIB PMBIND.LIB

2018/09/05 06:19 · prokushev · [0 Comments](#)

Family API

DOS	Process Manager	DosBeep DosExit DosSleep DosExecPgm
	File Manager	DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSet FileMode DosOpen DosQFileInfo DosRead DosQ FileMode DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSet FileInfo DosSet Verify DosWrite DosFileLocks DosSet FHandState DosNewSize DosBufReset DosQFHandState DosSet FInfo
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAlloc Huge DosAlloc Seg DosRealloc Huge DosRealloc Seg DosGet Huge Shift DosCreate CS Alias
	NLS	DosCaseMap DosGet Ctry Info DosGet DBCSEv DosSet Ctry Code DosGet Collate DosGet Message DosIns Message DosPut Message
	Date and Time	DosSet Date Time DosGet Date Time
	Devices	DosDevConfig DosDevIOCtl DosDevIOCtl2
	Signals	DosHoldSignal DosSet Sig Handler
	Misc	BadDynLink DosGet Env DosGet Machine Mode DosGet Version DosError DosErr Class DosSet Vec
KBD		KbdCharIn KbdFlushBuffer KbdGet Status Kbd Set Status Kbd String In Kbd Peek
VIO		VioGet Buf VioGet Config VioGet Cur Pos VioGet Cur Type VioGet Phys Buf VioRead Cell Str VioRead Char Str Vio Scroll Up Vio Scroll Dn Vio Scroll If Vio Scroll Rt Vio Scr Un Lock Vio Set Cur Pos Vio Set Cur Type Vio Set Mode Vio Get Mode Vio Show Buf Vio Wrt Cell Str Vio Wrt Char Str Vio Wrt Char Str Att Vio Wrt N Attr Vio Wrt N Cell Vio Wrt N Char Vio Wrt TTY Vio Scr Lock Vio Pop Up
Tools		BIND
Modules		DOSCALS.DLL VIOCALS.DLL KBDCALS.DLL MSG.DLL
Libraries		API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB

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

From:
<https://ftp.osfree.org/doku/> - osFree wiki



Permanent link:
<https://ftp.osfree.org/doku/doku.php?id=en:docs:fapi:dosgetmachinemode&rev=1631858896>

Last update: 2021/09/17 06:08