



# 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>

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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