 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 · prokushev · 0 Comments
2021/08/20 03:18 · prokushev · 0 Comments

DosMemAvail

This call returns the size of the largest block of free memory.

Syntax

```
DosMemAvail (MemAvailSize)
```

Parameters

- MemAvailSize (PULONG) - output: Address of the size of the largest free block of memory in bytes.

Return Code

- rc (USHORT) - return: Return code:
- 0 NO_ERROR

Remarks

DosMemAvail allows an application to determine how heavily used system memory is at a particular time. The returned value is a “snapshot” that may be valid only at the moment this function is issued and can be expected to change at any time due to system activity.

This call can be used as an indicator for memory availability before a call to DosAllocHuge is made.

Bindings

C

```
#define INCL_DOSMEMMGR
USHORT  rc = DosMemAvail(MemAvailSize);
PULONG  MemAvailSize;  /* Size available (returned) */
USHORT  rc;            /* return code */
```

MASM

```
EXTRN  DosMemAvail:FAR
INCL_DOSMEMMGR      EQU 1

PUSH@  DWORD   MemAvailSize  ;Size available (returned)
CALL   DosMemAvail

Returns WORD
```

Note

Text based on http://www.edm2.com/index.php/DosMemAvail

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

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

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Last update: **2021/09/15 02:48**