



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

DosGetHugeShift

This call returns a shift count used to derive the selectors that address memory allocated with [DosAllocHuge](#).

Syntax

```
DosGetHugeShift (ShiftCount)
```

Parameters

- ShiftCount (PUSHORT) - output : Address of the shift count.

Return Code

rc (USHORT) - return

Return code description is:

- 0 NO_ERROR

Remarks

Each segment of a huge memory allocation has a unique selector. To compute the next sequential selector in a huge memory area, take the value 1, shift it left by the number of bits specified in shift count. Use the resulting value as an increment to add to the previous selector (using the selector returned by DosAllocHuge as the first selector). For example:

- Assume DosAllocHuge is issued with NumSeg equal to 3, and that the number 63 is returned for the selector of the first segment.
- If DosGetHugeShift returns a shift count of 4, shifting the value "1" by this amount results in an increment of 16.
- Adding this increment to selector number 63 produces 79 for the second selector. Adding the

same increment to selector number 79 yields 95 for the third selector.

Example Code

C Binding

```
#define INCL_DOSMEMMGR

USHORT rc = DosGetHugeShift(ShiftCount);

PUSHORT ShiftCount; /* Shift Count (returned) */

USHORT rc; /* return code */
```

MASM Binding

```
EXTRN DosGetHugeShift:FAR
INCL_DOSMEMMGR EQU 1

PUSH@ WORD ShiftCount ; Shift Count (returned)
CALL DosGetHugeShift

Returns WORD
```

Note

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

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 DateTime DosGet DateTime
	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 KbdSet Status KbdStringIn KbdPeek
VIO		VioGet Buf VioGet Config VioGet Cur Pos VioGet Cur Type VioGet Phys Buf VioRead Cell Str VioRead Char Str VioScroll Up VioScroll Dn VioScroll If VioScroll Rt VioScr Un Lock VioSet Cur Pos VioSet Cur Type VioSet Mode VioGet Mode VioShow Buf VioWrt Cell Str VioWrt Char Str VioWrt Char Str Att VioWrt N Attr VioWrt N Cell VioWrt N Char VioWrt TTY VioScr Lock VioPop Up
Tools		BIND
Modules		DOSCALLS.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

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Last update: 2021/09/17 06:06

