 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

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 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

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

Permanent link:
https://ftp.osfree.org/doku/doku.php?id=en:docs:fapi:dosgethugeshift&rev=1631858764

Last update: **2021/09/17 06:06**