 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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# DosReallocHuge

This call changes the size of memory originally allocated by DosAllocHuge.

#### Syntax

DosReallocHuge (NumSeg, Size, Selector)

#### Parameters

;NumSeg (USHORT) - input : Number of 65536 byte segments requested. ;Size (USHORT) - input : Number of bytes requested in the last non-65536 byte segment. A value of 0 indicates none. ;Selector (SEL) - input : Selector returned on a previous DosAllocHuge.

#### Return Code

rc (USHORT) - return Return code descriptions are: * 0 NO_ERRORç * 8 ERROR_NOT_ENOUGH_MEMORY * 87 ERROR_INVALID_PARAMETER

#### Remarks

DosReallocHuge is called to change the size of unshared or shared huge memory allocated by DosAllocHuge. The selector used for this call must be the one returned by the DosAllocHuge request.

Normally, segments allocated as shared (AllocFlags bits 0 and 1 were set) cannot be decreased in size. However, if AllocFlags bit 3 was also set, the shared segment's size can be decreased.

DosReallocHuge is also called to reallocate a segment allocated as discardable (AllocFlags bit 2 set) after the segment is discarded by the system. The call to DosReallocHuge automatically locks the segment for access by the caller, the same as if a DosLockSeg had been issued.

'Note:' This request may be issued from privilege level 2 or 3. However, only a privilege level 3 huge segment is valid.

### Family API Considerations

Some options operate differently in the DOS mode than in the OS/2 mode. Therefore, the following restriction applies to DosReallocHuge when coding for the DOS mode:

The requested Size value is rounded up to the next paragraph (16-byte).

#### Example Code

### C Binding

<PRE> #define INCL_DOSMEMMGR

USHORT rc = DosReallocHuge(NumSeg, Size, Selector);

USHORT NumSeg; /* Number of 65536-byte segments

```
requested */
```

USHORT Size; /* Number of bytes in last segment */ SEL Selector; /* Selector */

USHORT rc; /* return code */ </PRE>

### MASM Binding

<PRE> EXTRN DosReallocHuge:FAR INCL_DOSMEMMGR EQU 1

PUSH WORD NumSeg ;Number of 65536-byte segments requested PUSH WORD Size ;Number of bytes in last segment PUSH WORD Selector ;Selector CALL DosReallocHuge

Returns WORD </PRE>

# Note

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

| **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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