



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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## DosReallocSeg

This call reallocates a segment after discard or changes the size of a segment already allocated.

### Syntax

DosReallocSeg (Size, Selector)

### Parameters

;Size (USHORT) - input : New requested segment size (in bytes). A value of 0 indicates 65536 bytes.  
;Selector (SEL) - input : Segment to be resized.

### Return Code

rc (USHORT) - return Return code descriptions are: \* 0 NO\_ERROR \* 5 ERROR\_ACCESS\_DENIED \* 8 ERROR\_NOT\_ENOUGH\_MEMORY

### Remarks

DosReallocSeg is called to change the size of an unshared or shared segment allocated with a [DosAllocSeg](#) 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.

DosReallocSeg 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 DosReallocSeg 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, and the segment being resized can be either a privilege level 2 or privilege level 3 segment.

To change the size of huge memory allocated by DosAllocHuge, see DosReallocHuge.

## Family API Considerations

Some options operate differently in the DOS mode than in the OS/2 mode. Therefore, the following restriction applies to `DosReallocSeg` 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 = DosReallocSeg(Size, Selector);
USHORT Size; /* New size requested in bytes */ SEL Selector; /* Selector */
USHORT rc; /* return code */ </PRE>
```

### MASM Binding

```
<PRE> EXTRN DosReallocSeg:FAR INCL_DOSMEMMGR EQU 1
PUSH WORD Size ;New size requested in bytes PUSH WORD Selector ;Selector CALL DosReallocSeg
Returns WORD </PRE>
```

## Note

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

| 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 DosDevIOct1 DosDevIOct2                                                                                                                                                                                                                                                                                                                                         |
|            | 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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