



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](#)

## DosSubFree

This call frees memory previously allocated by DosSubAlloc.

### Syntax

DosSubFree (SegSelector, BlockOffset, Size)

### Parameters

;SegSelector (SEL) - input : Data segment selector. ;BlockOffset (USHORT) - input : Memory block offset. The value specified must equal the BlockOffset returned on a previous DosSubAlloc call. ;Size (USHORT) - input : Size, in bytes, of the block to be freed.

### Return Code

rc (USHORT) - return Return code descriptions are: \* 0 NO\_ERROR \* 312 ERROR\_DOSSUB\_OVERLAP \* 313 ERROR\_DOSSUB\_BADSIZE

### Remarks

DosSubFree specifies the offset of a block of memory previously suballocated by a DosSubAlloc request. If the block specified overlaps memory in the segment that is not suballocated, an error is returned. Like DosSubAlloc, the size parameter must be a multiple of four bytes; otherwise, it is rounded up to a multiple of four bytes.

The allocated segment is freed by calling DosFreeSeg.

### Example Code

### C Binding

```
<PRE> #define INCL_DOSMEMMGR
```

```
USHORT rc = DosSubFree(SegSelector, BlockOffset, Size);
```

```
SEL SegSelector; /* Segment selector */ USHORT BlockOffset; /* Offset of memory block to free */
USHORT Size; /* Size of block in bytes */
```

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

## MASM Binding

```
<PRE> EXTRN DosSubFree:FAR INCL_DOSMEMMGR EQU 1
```

```
PUSH WORD SegSelector ;Segment selector PUSH WORD BlockOffset ;Offset of memory block to free
PUSH WORD Size ;Size of block in bytes CALL DosSubFree
```

```
Returns WORD </PRE>
```

# Note

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

| 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                                        |

**Family API**

|           |                                                       |
|-----------|-------------------------------------------------------|
| Tools     | BIND                                                  |
| Modules   | DOSCALLS.DLL VIOCALLS.DLL KBDSCALLS.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: **2021/08/20 04:31**

