



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](#)

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## 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

```
#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 */
```

### MASM Binding

```
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

## 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 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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