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

```
#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 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://www.osfree.org/doku/ - **osFree wiki**

Permanent link:
https://www.osfree.org/doku/doku.php?id=en:docs:fapi:dossubfree

Last update: **2021/12/05 11:05**