

This call is used to initialize a segment or to reset a reallocated segment for suballocation.

## Syntax

DosSubSet (SegSelector, Flags, Size)

## Parameters

;SegSelector (SEL) - input : Target data segment selector. ;Flags (USHORT) - input : 0 = Increasing the size of a segment already initialized. 1 = Initializing a segment. ;Size (USHORT) - input : Segment size in bytes.

## Return Code

rc (USHORT) - return Return code descriptions are: \* 0 NO\_ERROR \* 310 ERROR\_DOSSUB\_SHRINK \* 313 ERROR\_DOSSUB\_BADSIZE \* 314 ERROR\_DOSSUB\_BADFLAG

## Remarks

To initialize a segment for suballocation, issue DosSubSet before issuing DosSubAlloc and set Flags = 1. The segment must have been allocated with DosAllocSeg or DosAllocShrSeg.

If a segment allocated by a DosAllocSeg call has already been set for suballocation, and a call to DosSubAlloc returns Error\_DOSSUB\_NOMEM, the segment's size can be increased by a call to DosReallocSeg. After reallocation, the segment must be reset by a DosSubSet. Failure to reset the segment after changing its size can yield unpredictable results.

The size parameter should be a multiple of four bytes, or it is rounded up to a multiple of four. Note in DosSubSet, a size parameter of 0 indicates the segment is 64KB, while in DosSubAlloc and DosSubFree, a size parameter of 0 is an error. Other than this special case of 0 meaning 64KB, the minimum size that can be set is 12 bytes.

## Example Code

## C Binding

```
<PRE> #define INCL_DOSMEMMGR  
USHORT rc = DosSubSet(SegSelector, Flags, Size);  
  
SEL SegSelector; /* Segment selector */ USHORT Flags; /* Parameter flags */ USHORT Size; /* Size of a block */  
  
USHORT rc; /* return code */ </PRE>
```

## MASM Binding

<PRE> EXTRN DosSubSet:FAR INCL\_DOSMEMMGR EQU 1

PUSH WORD SegSelector ;Segment selector PUSH WORD Flags ;Parameter flags PUSH WORD Size  
;Size of a segment CALL DosSubSet

Returns WORD </PRE>

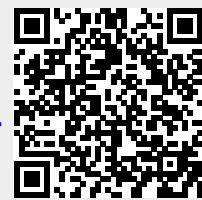
## Note

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

Family API		
DOS	Process Manager	DosBeep DosExit DosSleep DosExecPgm
	File Manager	DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSet FileMode DosOpen DosQFileInfo DosRead DosQ FileMode DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSet FileInfo DosSet Verify DosWrite DosFileLocks DosSet FHand State DosNewSize DosBufReset DosQFHand State DosSet FInfo
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAlloc Huge DosAlloc Seg DosRealloc Huge DosRealloc Seg DosGet Huge Shift DosCreate CS Alias
	NLS	DosCaseMap DosGet Ctry Info DosGet DBCSEv DosSet Ctry Code DosGet Collate DosGet Message DosIns Message DosPut Message
	Date and Time	DosSet Date Time DosGet Date Time
	Devices	DosDevConfig DosDevIOCtl DosDevIOCtl2
	Signals	DosHold Signal DosSet Sig Handler
	Misc	BadDynLink DosGet Env DosGet Machine Mode DosGet Version DosError DosErr Class DosSet Vec
KBD	KbdCharIn KbdFlushBuffer KbdGet Status KbdSet Status KbdStringIn KbdPeek	
VIO	VioGet Buf VioGet Config VioGet Cur Pos VioGet Cur Type VioGet Phys Buf VioRead Cell Str VioRead Char Str VioScroll Up VioScroll Dn VioScroll If VioScroll Rt VioScr Un Lock VioSet Cur Pos VioSet Cur Type VioSet Mode VioGet Mode VioShow Buf VioWrt Cell Str VioWrt Char Str VioWrt Char Str Att VioWrt N Attr VioWrt N Cell VioWrt N Char VioWrt TTY VioScr Lock VioPop Up	
Tools	BIND	
Modules	<a href="#">DOSCALLS.DLL</a> <a href="#">VIOCALLS.DLL</a> <a href="#">KBDCALLS.DLL</a> <a href="#">MSG.DLL</a>	
Libraries	<a href="#">API.LIB</a> <a href="#">OS2386.LIB</a> <a href="#">FAPI.LIB</a> <a href="#">DOSCALLS.LIB</a> <a href="#">SUBCALLS.LIB</a>	

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