



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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DosGetShrSeg

This call accesses a shared memory segment previously allocated by another process.

Syntax

```
DosGetShrSeg (Name, Selector)
```

Parameters

- Name ([PSZ](#)) - input : Address of the name string associated with the shared memory segment to be accessed. The name is an ASCIIZ string in the format of an OS/2 filename in a subdirectory called \SHAREMEM\, for example, \SHAREMEM\PUBLIC.DAT.
- Selector ([PSEL](#)) - output : Address of the selector for the shared memory segment.

Return Code

rc ([USHORT](#)) - return: Return code

- 0 NO_ERROR
- 2 ERROR_FILE_NOT_FOUND
- 4 ERROR_TOO_MANY_OPEN_FILES
- 123 ERROR_INVALID_NAME

Remarks

DosGetShrSeg provides access to a named shared segment allocated by another process with [DosAllocShrSeg](#). The selector returned by DosGetShrSeg is the same as the one returned by the [DosAllocShrSeg](#) call.

A usage count is maintained for a named shared segment. Issuing DosGetShrSeg increments the count, and issuing [DosFreeSeg](#) decrements the count. When the usage count equals zero, the named shared segment is deallocated. Once the segment has been deallocated, it must be reinitialized by a

call to [DosAllocShrSeg](#).

To access shared memory that is allocated by another process with [DosAllocSeg](#) and [DosAllocHuge](#) requests, a process issues [DosGetSeg](#).

Bindings

C

```
#define INCL_DOSMEMMGR

USHORT rc = DosGetShrSeg(Name, Selector);

PSZ Name; /* Name string */
PSEL Selector; /* Selector of shared segment */

USHORT rc; /* return code */
```

MASM

```
EXTRN DosGetShrSeg:FAR
INCL_DOSMEMMGR EQU 1

PUSH@ ASCIIZ Name ;Name string
PUSH@ WORD Selector ;Selector of shared segment (returned)
CALL DosGetShrSeg

Returns WORD
```

| 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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