 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 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 |

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