



# DosGetVersion

This call returns the OS version number.

## Syntax

```
DosGetVersion (VersionWord)
```

## Parameters

- VersionWord (PUSHORT) - output:Address of the OS version number. The version is stored as two bytes, with the minor version in the first byte and major version in the second byte.

## Return Code

- rc (USHORT) - return

Return code description is:

- 0 NO\_ERROR

## Bindings

## C

```
#define INCL_DOSMISC

USHORT rc = DosGetVersion(VersionWord);
PUSHORT VersionWord; /* Version number (returned) */
USHORT rc; /* return code */
```

## MASM

```
EXTRN DosGetVersion:FAR
INCL_DOSMISC EQU 1

PUSH@ WORD VersionWord ;Version number(returned)
CALL DosGetVersion
```

Returns WORD

### Example

The following example shows how one may obtain information for program initialization. The program locates the environment segment and prints the name of the command from the command line. It then obtains the OS version number and prints it.

```
#define INCL_DOS
#include <os2.h>
#define ENVVARNAME "PATH"

main()
{
    SEL        EnvSel;          /* Environment segment selector (returned) */
    USHORT     CmdOffset;      /* Offset into env. seg. of command line
(returned) */
    PSZ FAR    *Commandline;   /* Pointer made by EnvSel and CmdOffset */
    USHORT     Version;        /* Version numbers (returned) */
    BYTE       MajorVer;       /* Major version number */
    BYTE       MinorVer;       /* Minor version number */
    USHORT     rc;             /* return code */

    /** Locate environment segment and offset of command line. **/

    if(!(rc=DosGetEnv(&EnvSel,          /* Env. seg. selector (returned) */
                    &CmdOffset))) /* Offset of command line
                                   (returned) */
        printf("Environment located; selector is %x offset is %x\n", EnvSel,
              CmdOffset);

    /** Use a macro to make a far pointer out of selector:offset pair.**/
    /** Notice the far-string pointer specification (%Fs) used to print **/

    Commandline = MAKEP(EnvSel, CmdOffset);
    printf("Command entered is %Fs.\n", Commandline);

    /** Obtain and print version info; use macros to extract info. **/
    /** We need to divide by 10 to obtain true version numbers. **/

    if(!(rc=DosGetVersion(&Version)))
    {
        MajorVer = HIBYTE(Version) / 10;
        MinorVer = LOBYTE(Version) / 10;
        printf("This is OS/2 version %d.%d\n", MajorVer, MinorVer);
    }
}
```

# Note

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

| Family API |   |  |
|------------|---|--|
| DOS        | Process Manager   | <a href="#">DosBeep</a> <a href="#">DosExit</a> <a href="#">DosSleep</a> <a href="#">DosExecPgm</a>  |
|            | File Manager  | <a href="#">DosChDir</a> <a href="#">DosChgFilePtr</a> <a href="#">DosClose</a> <a href="#">DosDelete</a> <a href="#">DosDupHandle</a> <a href="#">DosMkDir</a> <a href="#">DosMove</a> <a href="#">DosQCurDir</a> <a href="#">DosQCurDisk</a> <a href="#">DosSetFileMode</a> <a href="#">DosOpen</a> <a href="#">DosQFileInfo</a> <a href="#">DosRead</a> <a href="#">DosQFileMode</a> <a href="#">DosQFSInfo</a> <a href="#">DosQVerify</a> <a href="#">DosRmdir</a> <a href="#">DosSelectDisk</a> <a href="#">DosFindClose</a> <a href="#">DosFindFirst</a> <a href="#">DosFindNext</a> <a href="#">DosSetFileInfo</a> <a href="#">DosSetVerify</a> <a href="#">DosWrite</a> <a href="#">DosFileLocks</a> <a href="#">DosSetFHandState</a> <a href="#">DosNewSize</a> <a href="#">DosBufReset</a> <a href="#">DosQFHandState</a> <a href="#">DosSetFSinfo</a> <a href="#">DosShutdown</a> |
|            | Memory Manager  | <a href="#">DosFreeSeg</a> <a href="#">DosSubAlloc</a> <a href="#">DosSubFree</a> <a href="#">DosSubSet</a> <a href="#">DosAllocHuge</a> <a href="#">DosAllocSeg</a> <a href="#">DosReallocHuge</a> <a href="#">DosReallocSeg</a> <a href="#">DosGetHugeShift</a> <a href="#">DosCreateCSAlias</a>   |
|            | NLS   | <a href="#">DosCaseMap</a> <a href="#">DosGetCtryInfo</a> <a href="#">DosGetDBCSEv</a> <a href="#">DosSetCtryCode</a> <a href="#">DosGetCollate</a> <a href="#">DosGetMessage</a> <a href="#">DosInsMessage</a> <a href="#">DosPutMessage</a>  |
|            | Date and Time   | <a href="#">DosSetDateTime</a> <a href="#">DosGetDateTime</a>  |
|            | Devices   | <a href="#">DosDevConfig</a> <a href="#">DosDevIOCtl</a> <a href="#">DosDevIOCtl2</a>  |
|            | Signals   | <a href="#">DosHoldSignal</a> <a href="#">DosSetSigHandler</a>   |
|            | Misc  | <a href="#">BadDynLink</a> <a href="#">DosGetEnv</a> <a href="#">DosGetMachineMode</a> <a href="#">DosGetVersion</a> <a href="#">DosError</a> <a href="#">DosErrClass</a> <a href="#">DosSetVec</a>  |
| KBD        | <a href="#">KbdCharIn</a> <a href="#">KbdFlushBuffer</a> <a href="#">KbdGetStatus</a> <a href="#">KbdSetStatus</a> <a href="#">KbdStringIn</a> <a href="#">KbdPeek</a>  |  |
| VIO        | <a href="#">VioGetBuf</a> <a href="#">VioGetConfig</a> <a href="#">VioGetCurPos</a> <a href="#">VioGetCurType</a> <a href="#">VioGetPhysBuf</a> <a href="#">VioReadCellStr</a> <a href="#">VioReadCharStr</a> <a href="#">VioScrollUp</a> <a href="#">VioScrollDn</a> <a href="#">VioScrollLf</a> <a href="#">VioScrollRt</a> <a href="#">VioScrUnLock</a> <a href="#">VioSetCurPos</a> <a href="#">VioSetCurType</a> <a href="#">VioSetMode</a> <a href="#">VioGetMode</a> <a href="#">VioShowBuf</a> <a href="#">VioWrtCellStr</a> <a href="#">VioWrtCharStr</a> <a href="#">VioWrtCharStrAtt</a> <a href="#">VioWrtNAttr</a> <a href="#">VioWrtNCell</a> <a href="#">VioWrtNChar</a> <a href="#">VioWrtTTY</a> <a href="#">VioScrLock</a> <a href="#">VioPopUp</a> |  |
| Tools      | <a href="#">BIND</a>  |  |
| 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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