



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 ENVVARIABLE "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 | 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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