



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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# DosMkDir

This call creates a subdirectory.

## Syntax

```
DosMkDir (DirName, Reserved)
```

## Parameters

- DirName ([PSZ](#)) - input : Address of the ASCIIZ directory path name, which may or may not include a drive specification. If no drive is specified, the current drive is assumed. [DosQSysInfo](#) is called by an application during initialization to determine the maximum path length allowed by OS/2.
- Reserved ([ULONG](#)) - input : Reserved and must be set to zero.

## Return Code

rc ([USHORT](#)) - return

Return code descriptions are:

- 0 NO\_ERROR
- 3 ERROR\_PATH\_NOT\_FOUND
- 5 ERROR\_ACCESS\_DENIED
- 26 ERROR\_NOT\_DOS\_DISK
- 87 ERROR\_INVALID\_PARAMETER
- 108 ERROR\_DRIVE\_LOCKED
- 206 ERROR\_FILENAME\_EXCED\_RANGE

## Remarks

If any subdirectory names in the path do not exist, the subdirectory is not created. Upon return, a subdirectory is created at the end of the specified path.

[DosQSysInfo](#) must be used by an application to determine the maximum path length supported by OS/2. The returned value should be used to dynamically allocate buffers that are to be used to store paths.

If a program running with the NEWFILES bit set tries to create a directory with blanks immediately preceding the dot on a FAT drive, the system rejects the name. For example, if c: is a FAT drive, the name "file .txt" is rejected and the name "file.txt" is accepted.

## Example Code

### C Binding

```
#define INCL_DOSFILEMGR

USHORT  rc = DosMkDir(DirName, Reserved);

PSZ      DirName;      /* New directory string name */
ULONG    0;            /* Reserved (must be zero) */

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

### MASM Binding

```
EXTRN  DosMkDir:FAR
INCL_DOSFILEMGR      EQU 1

PUSH@  ASCIIZ  DirName      ;New directory name string
PUSH    DWORD   0           ;Reserved (must be zero)
CALL    DosMkDir
```

Returns WORD

## Note

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

| 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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