



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

2021/09/17 04:47 · prokushev · [0 Comments](#)

2021/08/20 03:18 · prokushev · [0 Comments](#)

## DosMkDir2

This call creates a subdirectory that has extended attributes associated with it.

### Syntax

```
DosMkDir2 (DirName, EABuf, Reserved)
```

### Parameters

- DirName ([PSZ](#)) - input : Address of the ASCIIZ directory path name, which may or may not contain 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.

- EABuf ([PEAOP](#)) - input/output: Address of the extended attribute buffer, which contains an [EAOP](#) structure.
- Reserved ([ULONG](#)) - input: Reserved and must be set to zero.

### Return Code

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

- 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
- 254 ERROR\_INVALID\_EA\_NAME
- 255 ERROR\_EA\_LIST\_INCONSISTENT

## Remarks

DosMkDir2 allows an application to define extended attributes for a subdirectory at the time of its creation.

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.

## Bindings

### C

```
typedef struct _GEA {           /* gea */
    BYTE cbName;               /* name length not including NULL */
    CHAR szName[1];           /* attribute name */
} GEA;

typedef struct _GEALIST {      /* geal */
    ULONG cbList;              /* total bytes of structure including full list */
    GEA list[1];              /* variable length GEA structures */
} GEALIST;

typedef struct _FEA {         /* fea */
    BYTE fEA;                  /* flags */
    BYTE cbName;               /* name length not including NULL */
    USHORT cbValue;           /* value length */
} FEA;

typedef struct _FEALIST {     /* feal */
    ULONG cbList;              /* total bytes of structure including full list */
    FEA list[1];              /* variable length FEA structures */
} FEALIST;

typedef struct _EAOP {        /* eaop */
    PGEALIST fpGEAList;        /* general EA list */
    PFEALIST fpFEAList;        /* full EA list */
    ULONG oError;
} EAOP;

#define INCL_DOSFILEMGR
```

```

USHORT rc = DosMkDir2(DirName, EABuf, Reserved);

PSZ    DirName;      /* New directory name string */
PEAOP  EABuf;        /* Extended attribute buffer */
ULONG  0;            /* Reserved (must be zero) */

USHORT rc;           /* return code */

```

## MASM

```

GEA    struc
    gea_cbName    db    ?          ;name length not including NULL
    gea_szName    db    1 dup (?)  ;attribute name
GEA    ends

GEALIST struc
    geal_cbList   dd    ?          ;total bytes of structure including full list
    geal_list     db    size GEA * 1 dup (?) ;variable length GEA structures
GEALIST ends

FEA    struc
    fea_fEA       db    ? ;flags
    fea_cbName    db    ? ;name length not including NULL
    fea_cbValue   dw    ? ;value length
FEA    ends

FEALIST struc
    feal_cbList   dd    ?          ;total bytes of structure including full list
    feal_list     db    size FEA * 1 dup (?) ;variable length FEA structures
FEALIST ends

EAOP   struc
    eaop_fpGEAList dd    ? ;general EA list
    eaop_fpFEAList dd    ? ;full EA list
    eaop_oError   dd    ? ;
EAOP   ends

EXTRN  DosMkDir2:FAR
INCL_DOSFILEMGR    EQU 1

PUSH@  ASCIIZ  DirName      ;New directory name string
PUSH@  OTHER   EABuf        ;Extended attribute buffer
PUSH   DWORD   0            ;Reserved (must be zero)
CALL   DosMkDir2

```

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	

2018/08/25 15:05 · prokushev · 0 Comments

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Last update: **2021/09/17 06:25**

