

PBDirCreate Create a new empty directory

#include <Files.h>

File Manager (PBxxx)

OSErr **PBDirCreate**(*pb*, *async*);
HParamBlkPtr *pb*; address of an 80-byte HFileParam structure
Boolean *async*; 0=await completion; 1=immediate return
returns Error Code; 0=no error

PBDirCreate creates a new, empty directory.

pb is the address of an 80-byte HFileParam structure (or the fileParam member of an HParamBlockRec union). The relevant fields are as follows:

<u>Out-In Name</u>	<u>Type</u>	<u>Size</u>	<u>Offset</u>	<u>Description</u>
-> ioCompletion	<u>ProcPtr</u>	4	12	Completion routine address (if <i>async</i> =TRUE)
-> ioVRefNum	<u>short</u>	2	22	Volume or working directory reference
<-> ioNamePtr	<u>StringPtr</u>	4	18	Entry: Addr of directory name (full or partial) Return: (Appears to be unchanged)
<-> ioDirID	<u>long</u>	4	48	Entry: ID of parent directory (0=use root) Return: ID of created directory
<- ioResult	<u>OSErr</u>	2	16	Error Code (0=no error, 1=not done yet)

async is a Boolean value. Use FALSE for normal (synchronous) operation or TRUE to enqueue the request and resume control immediately. See Async I/O.

Returns: an operating system Error Code. It will be one of:

noErr	(0)	No error
bdNamErr	(-37)	Bad name
dirFulErr	(-33)	Directory full
dirNFErr	(-120)	Directory not found
dupFNErr	(-48)	Duplicate filename (rename)
extFSErr	(-58)	External file system
ioErr	(-36)	I/O error
nsvErr	(-35)	No such volume
vLckdErr	(-46)	Volume is locked
wPrErr	(-44)	Diskette is write-protected

Notes: This works like **PBHCreate** except that it creates a new directory instead of a new file.

The parent directory is identified by ioDirID. If it is 0, then the standard name/number technique is used: if ioNamePtr is valid and complete, it is used; otherwise, ioVRefNum is a volume reference or working directory number (as returned by **SFPutFile** or **PBOpenWD**).

The following example provides the directory's full name in ioNamePtr, so the other fields are moot.

Example

```
#include <Files.h>
```

```
HFileParam hfpb;
```

```
Str255    dirName="\pHD 20:Ltrs:1988:"; // last ':' is optional
OSErr    rc;

hfpb.ioNamePtr = dirName;
hfpb.ioVRefNum = 0;           // ignored unless name is invalid
hfpb.ioDirID = 0;             // parent is the root
rc=PBDirCreate( &hfpb, FALSE );
if ( rc ) { /* . . . handle the error . . . */ }
printf( "New directory ID: %ld \n", hfpb.ioDirID );
```