

PBHOpenDeny

Open a file's data fork for users with permissions levels

#include <Files.h>

File Manager (PBxxx)

OSErr **PBHOpenDeny**(*pb*, *async*);
HParmBlkPtr *pb*; address of a 48-byte AccessParam structure
Boolean *async*; 0=await completion; 1=immediate return
returns Error Code; 0=no error

PBHOpenDeny lets you restrict a file's read/write users to those with a particular set of access privileges.

pb is the address of a 40-byte CopyParam structure. The following fields are relevant:

<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 async =TRUE)
<- ioResult	<u>OSErr</u>	2	16	Error Code (0=no error, 1=not done yet)
-> ioNamePtr	<u>ProcPtr</u>	4	18	Pathname's address
-> ioVRefNum	<u>short</u>	2	22	Volume reference
<- ioRefNum	<u>short</u>	2	24	File identifier
-> ioDenyModes	<u>short</u>	2	26	Permissions information
-> ioDirID	<u>long</u>	4	48	Directory ID

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
nsvErr	(-35)	No such volume
fnfErr	(-43)	Input points to nonexistent file
permErr	(-54)	Insufficient permission level to access already opened file
opWrErr	(-49)	Asked for a second write permission to the same open file
accessDenied	(-5000)	User has incorrect access level to read or write to a file

Notes: The **PBHOpenDeny** routine lets you limit read/write access to a file's data to users with specified access rights. The ioDenyModes field holds an integer keyed with the user's access rights data. A diagram of the ioDenyModes format can be found in the description of the AccessParam structure.