

**PBHSetDirAccess** Set access control information for a shared HFS volume

#include <Files.h>

**File Manager (PBxxx)**

OSErr **PBHSetDirAccess**(*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

**PBHSetDirAccess** lets you change the access rights for a specific folder including the folder owner's ID and the ID of the folder's primary group.

*pb* is the address of a 48-byte AccessParam 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 <i>async</i> =TRUE)
<- ioResult	<u>OSErr</u>	2	16	Error Code (0=no error, 1=not done yet)
-> ioNamePtr	<u>long</u>	4	18	Name of the directory
-> ioVRefNum	<u>short</u>	2	22	Volume reference
-> ioACOwnerID	<u>long</u>	4	36	New owner identification
-> ioACGroupID	<u>long</u>	4	40	Identification of folder's primary group
-> ioACAccess	<u>long</u>	4	44	Folder access rights
-> ioDirID	<u>long</u>	4	48	Identification number of directory

*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)	Not a valid directory
paramErr	(-50)	Not allowed to set dir owner bit or user-right's bits
accessDenied	(-5000)	Incorrect access rights to modify directory

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Notes: The *ioDirID* and the *ioNamePtr* parameters work jointly to pinpoint a specific directory while *ioACOwnerID*, *ioACGroupID* and *ioACAccess* combine to give you evidence of the folder's owner, its primary group and how its access rights are specified, i.e, User's rights, Everyone's right's, Group's right's or Owner's rights. The **AccessParam** data structure description includes a diagram of the format.

Changing the owner or group involves setting the *ioACOwnerID* or the *ioACGroupID* parameters to identify the new owner and group but you must be the owner of the directory in order to change either of these fields.