

**PBSetFVers**

Change a file's version number (flat volumes only)

#include &lt;Files.h&gt;

**File Manager (PBxxx)**

OSErr            **PBSetFVers**(*pb*, *async*);  
ParmBlkPtr    *pb*;            address of a 50-byte IOParam structure  
Boolean        *async*;        0=await completion; 1=immediate return  
                  **returns**        Error Code; 0=no error

**PBSetFVers** has no effect on HFS volumes. On flat volumes, it changes a file's version number.

*pb* is the address of a 50-byte IOParam structure. The relevant fields are as follows:

<u>Out-In</u>	<u>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)
->	ioNamePtr	<u>StringPtr</u>	4	18	Address of full or partial path/filename
->	ioVRefNum	<u>short</u>	2	22	Volume, drive, or directory reference
->	ioVersNum	<u>SignedByte</u>	1	26	Current version number
->	ioMisc	<u>Ptr</u>	4	28	Desired version number in high-order byte
<-	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
dupFNErr	(-48)	Duplicate filename has this version number
extFSErr	(-58)	External file system
flckdErr	(-45)	File is locked
fnfErr	(-43)	File not found
ioErr	(-36)	I/O error
nsvErr	(-35)	No such volume
paramErr	(-50)	No default volume
vlckdErr	(-46)	Volume is locked
wPrErr	(-44)	Diskette is write-protected
wrgVolTypErr	(-123)	Wrong volume type - invalid for HFS volumes

Notes: The concept of a file version number is an example of a good intention unfulfilled since the Finder and Standard File Package no longer recognize file versions.

**Note:** A file with a version number other than 0 will not be seen and cannot be selected in the **SFGetFile** window - you might use this function as a way to hide a file from selection via Standard File.

You may want to use **PBSetFVers** to set a file's version number to 0, in order to make it more compatible with HFS.

The desired version number must be placed in the high byte of the ioMisc field which is a Ptr so type coercion is needed e.g.,

```
pb.ioNamePtr = (StringPtr)"\pMyFile";
pb.ioVRefNum=0;
pb.ioVersNum=12;                               /* current version is 12 */
```

pb.ioMisc = (Ptr) (13L << 24)

/\* new version is 13 \*/

If you don't know the version number of a particular file, you can use **PBGetFInfo** to index through the files in a volume, looking for a match on the filename.