

HGetFInfo

Obtain file type, creator, icon position, etc.

#include <Files.h>

File Manager

| | | |
|---------------|---|---|
| <u>OSErr</u> | HGetFInfo (<i>vRefNum</i> , <i>dirID</i> , <i>fileName</i> , <i>fndrInfo</i>); | |
| <u>short</u> | <i>vRefNum</i> ; | volume or working directory reference |
| <u>long</u> | <i>dirID</i> ; | directory ID |
| <u>Str255</u> | <i>fileName</i> ; | address of length-prefixed full or partial name |
| <u>FInfo</u> | <i>*fndrInfo</i> ; | address of a 16-byte <u>FInfo</u> structure |
| | returns | <u>Error Code</u> ; 0=no error |

HGetFInfo obtains a copy of the 16-byte packet of descriptive information maintained for the Finder. This includes the file's type, the signature of its creator, Finder flags (such as whether the icon is displayed or is actually on the desktop), and the display position of the file's icon within its folder (window).

vRefNum is the reference number of the volume or working directory that contains the file or directory *fileName*. 0 indicates the default volume.

dirID is the directory ID that contains the file to get info about

fileName is the address of a length-prefixed, pascal-style string containing the name of the file of interest. It may be a partial or full pathname, depending upon the value of *vRefNum*.

fndrInfo is the address of a 16-byte FInfo structure. Upon return, it is filled with file-specific information used by the Finder.

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

| | | |
|----------|-------|----------------------|
| noErr | (0) | No error |
| bdNamErr | (-37) | Bad name |
| extFSErr | (-58) | External file system |
| fnfErr | (-43) | File not found |
| ioErr | (-36) | I/O error |
| paramErr | (-50) | No default volume |

Notes: The FInfo structure maintains the primary information used by the Finder in locating the icon to display, where to display it and which application to run when its icon is double-clicked. It is the same information as in the ioFIFndrInfo field of the FileParam structure, which is passed to custom "file filters" used in the Standard File Package (see SFGetFile).

Additional Finder information is maintained in an FXInfo structure, which can be obtained via **PBGetCatInfo**. Use **SetFInfo**, **PBSetFInfo**, or **PBSetCatInfo** to modify the Finder information (and other information about a file).

If your application rewrites files by deleting the original and creating a new one, you should maintain the position on the file's icon within its folder.