NAME

fattach – attach a STREAMS-based file descriptor to an object in the file system name space

SYNOPSIS

int fattach(int *fildes*, **const char** **path***);**

MT-LEVEL

MT-Safe

DESCRIPTION

The **fattach( )** routine attaches a STREAMS-based file descriptor to an object in the file system name space, effectively associating a name with *fildes*. *fildes* must be a valid open file descriptor representing a STREAMS file. *path* is a path name of an existing object and the user must have appropriate privileges or be the owner of the file and have write permissions. All subsequent operations on *path* will operate on the STREAMS file until the STREAMS file is detached from the node. *fildes* can be attached to more than one *path*, that is, a stream can have several names associated with it.

The attributes of the named stream (see **stat**(2)), are initialized as follows: the permissions, user ID, group ID, and times are set to those of *path*, the number of links is set to 1, and the size and device identifier are set to those of the streams device associated with *fildes*. If any attributes of the named stream are subsequently changed (for example, **chmod**(2)), the attributes of the underlying object are not affected.

RETURN VALUES

If successful, **fattach( )** returns 0; otherwise it returns -1 and sets **errno** to indicate an error.

ERRORS

Under the following conditions, the function **fattach( )** fails and sets **errno** to:

EACCES	The user is the owner of *path* but does not have write permissions on *path* or *fildes* is locked.
EBADF	*fildes* is not a valid open file descriptor.
EBUSY	*path* is currently a mount point or has a STREAMS file descriptor attached it.
EINVAL	*path* is a file in a remotely mounted directory.
EINVAL	*fildes* does not represent a STREAMS file.
ELOOP	Too many symbolic links were encountered in translating *path*.
ENAMETOOLONG	The size of *path* exceeds **{PATH_MAX}**, or the component of a path name is longer than **{NAME_MAX}** while **{_POSIX_NO_TRUNC}** is in effect.
ENOENT	*path* does not exist.

ENOTDIR A component of a path prefix is not a directory.

EPERM The effective user ID is not the owner of *path* or a user with the appropriate privileges.

SEE ALSO **fdetach**(1M), **chmod**(2), **stat**(2), **fdetach**(3C), **isastream**(3C), **streamio**(7I)

STREAMS Programming Guide