NAME

pthread_get_name_np, **pthread_getname_np**, **pthread_set_name_np**, **pthread_setname_np** - set and retrieve the thread name

LIBRARY

POSIX Threads Library (libpthread, -lpthread)

SYNOPSIS

#include <pthread_np.h>

void
pthread_get_name_np(*pthread_t thread*, *char *name*, *size_t len*);

int
pthread_getname_np(*pthread_t thread*, *char *name*, *size_t len*);

void
pthread_set_name_np(*pthread_t thread*, *const char *name*);

int
pthread_setname_np(*pthread_t thread*, *const char *name*);

DESCRIPTION

The **pthread_set_name_np**() and **pthread_setname_np**() functions apply a copy of the given *name* to the given *thread*.

The **pthread_get_name_np**() and **pthread_getname_np**() functions retrieve the *name* associated with *thread*. If **pthread_set_name_np**() was not previously called for *thread*, the buffer pointed to by *name* will be empty.

ERRORS

The **pthread_getname_np** and **pthread_setname_np** will fail if

[ESRCH]   No thread could be found in the current process corresponding to that specified by the given thread ID *thread*.

Because of the debugging nature of **pthread_get_name_np** and **pthread_set_name_np** functions, all errors that may appear inside are silently ignored.

SEE ALSO

thr_set_name(2), pthread_np(3)

STANDARDS

pthread_set_name_np() and **pthread_get_name_np**() are non-standard extensions.
pthread_setname_np() and **pthread_getname_np**() are also non-standard, but are implemented by larger number of operating systems so they are in fact more portable.

AUTHORS

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