

**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

This manual page was written by Alexey Zelkin <*phantom@FreeBSD.org*> and Yuri Pankov <*yuripv@yuripv.net*>.