

NAME

pthread_switch_add_np, **pthread_switch_delete_np** - thread context switches debugging primitives

LIBRARY

POSIX Threads Library (libpthread, -lpthread)

SYNOPSIS

```
#include <pthread_np.h>
```

int

```
pthread_switch_add_np(pthread_switch_routine_t routine);
```

int

```
pthread_switch_delete_np(pthread_switch_routine_t routine);
```

DESCRIPTION

An application is allowed to monitor the thread context switches inside the threading library. An application can install a routine that gets called every time a thread (explicitly created by an application with the `pthread_create(3)` function) gets the context switched. The routine is passed the thread IDs of the threads that are being switched in and out. Installation and removal of these hooks may be done using the `pthread_switch_add_np()` and `pthread_switch_delete_np()` functions respectively.

RETURN VALUES

If successful, these functions return 0. Otherwise, an error number is returned to indicate the error.

ERRORS

The `pthread_switch_add_np()` may fail if:

[EINVAL] NULL pointer was passed in the *routine* argument.

The `pthread_switch_delete_np()` may fail if:

[EINVAL] The *routine* argument is different from the argument previously passed to the `pthread_switch_add_np()` function.

SEE ALSO

`pthread_create(3)`, `pthread_np(3)`

AUTHORS

This manual page was written by Alexey Zelkin <phantom@FreeBSD.org>.