

NAME

pthread_detach - detach a thread

LIBRARY

POSIX Threads Library (libpthread, -lpthread)

SYNOPSIS

```
#include <pthread.h>
```

int

```
pthread_detach(pthread_t thread);
```

DESCRIPTION

The **pthread_detach()** function is used to indicate to the implementation that storage for the thread *thread* can be reclaimed when the thread terminates. If *thread* has not terminated, **pthread_detach()** will not cause it to terminate. The effect of multiple **pthread_detach()** calls on the same target thread is unspecified.

RETURN VALUES

If successful, the **pthread_detach()** function will return zero. Otherwise an error number will be returned to indicate the error. Note that the function does not change the value of `errno` as it did for some drafts of the standard. These early drafts also passed a pointer to `pthread_t` as the argument. Beware!

ERRORS

The **pthread_detach()** function will fail if:

- | | |
|----------|--|
| [EINVAL] | The implementation has detected that the value specified by <i>thread</i> does not refer to a joinable thread. |
| [ESRCH] | No thread could be found corresponding to that specified by the given thread ID, <i>thread</i> . |

SEE ALSO

pthread_join(3)

STANDARDS

The **pthread_detach()** function conforms to ISO/IEC 9945-1:1996 ("POSIX.1").