

NAME

pthread_key_delete - delete a thread-specific data key

LIBRARY

POSIX Threads Library (libpthread, -lpthread)

SYNOPSIS

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

int

```
pthread_key_delete(pthread_key_t key);
```

DESCRIPTION

The **pthread_key_delete**() function deletes a thread-specific data key previously returned by **pthread_key_create**(). The thread-specific data values associated with *key* need not be NULL at the time that **pthread_key_delete**() is called. It is the responsibility of the application to free any application storage or perform any cleanup actions for data structures related to the deleted key or associated thread-specific data in any threads; this cleanup can be done either before or after **pthread_key_delete**() is called. Any attempt to use *key* following the call to **pthread_key_delete**() results in undefined behavior.

The **pthread_key_delete**() function is callable from within destructor functions. Destructor functions are not invoked by **pthread_key_delete**(). Any destructor function that may have been associated with *key* will no longer be called upon thread exit.

RETURN VALUES

If successful, the **pthread_key_delete**() function will return zero. Otherwise an error number will be returned to indicate the error.

ERRORS

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

[EINVAL] The *key* value is invalid.

SEE ALSO

pthread_getspecific(3), pthread_key_create(3), pthread_setspecific(3)

STANDARDS

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