

NAME

pthread_cleanup_push - add a cleanup function for thread exit

LIBRARY

POSIX Threads Library (libpthread, -lpthread)

SYNOPSIS

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

void

```
pthread_cleanup_push(void (*cleanup_routine)(void *), void *arg);
```

DESCRIPTION

The **pthread_cleanup_push**() function adds *cleanup_routine* to the top of the stack of cleanup handlers that get called when the current thread exits.

When *cleanup_routine* is called, it is passed *arg* as its only argument.

The **pthread_cleanup_push**() function is implemented as a macro that opens a new block. Invocations of this function must appear as standalone statements that are paired with a later call of **pthread_cleanup_pop**(3) in the same lexical scope.

RETURN VALUES

The **pthread_cleanup_push**() function does not return any value.

ERRORS

None

SEE ALSO

pthread_cleanup_pop(3), **pthread_exit**(3)

STANDARDS

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