

**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").