

NAME

pthread_getspecific - get a thread-specific data value

LIBRARY

POSIX Threads Library (libpthread, -lpthread)

SYNOPSIS

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

```
void *
```

```
pthread_getspecific(pthread_key_t key);
```

DESCRIPTION

The **pthread_getspecific()** function returns the value currently bound to the specified *key* on behalf of the calling thread.

The effect of calling **pthread_getspecific()** with a *key* value not obtained from **pthread_key_create()** or after *key* has been deleted with **pthread_key_delete()** is undefined.

The **pthread_getspecific()** function may be called from a thread-specific data destructor function. A call to **pthread_getspecific()** for the thread-specific data key being destroyed returns the value NULL, unless the value is changed (after the destructor starts) by a call to **pthread_setspecific()**.

RETURN VALUES

The **pthread_getspecific()** function will return the thread-specific data value associated with the given *key*. If no thread-specific data value is associated with *key*, then the value NULL is returned.

ERRORS

None.

SEE ALSO

pthread_key_create(3), pthread_key_delete(3), pthread_setspecific(3)

STANDARDS

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