



Full credit is given to the above companies including the OS that this PDF file was generated!

Red Hat Enterprise Linux Release 9.2 Manual Pages on 'pthread_attr_getstackaddr.3' command

`$ man pthread_attr_getstackaddr.3`

PTHREAD_ATTR_SETSTACKADDR(3) Linux Programmer's Manual PTHREAD_ATTR_SETSTACKADDR(3)

NAME

pthread_attr_setstackaddr, pthread_attr_getstackaddr - set/get stack address attribute in thread attributes object

SYNOPSIS

```
#include <pthread.h>

int pthread_attr_setstackaddr(pthread_attr_t *attr, void *stackaddr);

int pthread_attr_getstackaddr(const pthread_attr_t *attr,
                               void **stackaddr);
```

Compile and link with `-pthread`.

DESCRIPTION

These functions are obsolete: do not use them. Use `pthread_attr_setstack(3)` and `pthread_attr_getstack(3)` instead.

The `pthread_attr_setstackaddr()` function sets the stack address attribute of the thread attributes object referred to by `attr` to the value specified in `stackaddr`. This attribute specifies the location of the stack that should be used by a thread that is created using the thread attributes object `attr`.

`stackaddr` should point to a buffer of at least `PTHREAD_STACK_MIN` bytes that was allocated by the caller. The pages of the allocated buffer should be both readable and writable.

The `pthread_attr_getstackaddr()` function returns the stack address attribute of the thread attributes object referred to by `attr` in the buffer

fer pointed to by stackaddr.

RETURN VALUE

On success, these functions return 0; on error, they return a nonzero error number.

ERRORS

No errors are defined (but applications should nevertheless handle a possible error return).

VERSIONS

These functions are provided by glibc since version 2.1.

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

??

?Interface ? Attribute ? Value ?

??

?pthread_attr_setstackaddr(), ? Thread safety ? MT-Safe ?

?pthread_attr_getstackaddr() ? ? ?

??

CONFORMING TO

POSIX.1-2001 specifies these functions but marks them as obsolete.

POSIX.1-2008 removes the specification of these functions.

NOTES

Do not use these functions! They cannot be portably used, since they provide no way of specifying the direction of growth or the range of the stack. For example, on architectures with a stack that grows downward, stackaddr specifies the next address past the highest address of the allocated stack area. However, on architectures with a stack that grows upward, stackaddr specifies the lowest address in the allocated stack area. By contrast, the stackaddr used by pthread_attr_setstack(3) and pthread_attr_getstack(3), is always a pointer to the lowest address in the allocated stack area (and the stacksize argument specifies the range of the stack).

SEE ALSO

pthread_attr_init(3), pthread_attr_setstack(3), pthread_attr_setstack?
size(3), pthread_create(3), pthreads(7)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

Linux 2017-09-15 PTHREAD_ATTR_SETSTACKADDR(3)