



## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'pthread\_attr\_setstackaddr.3' command***

### ***\$ man pthread\_attr\_setstackaddr.3***

PTHREAD\_ATTR\_SETSTACKADDR(3Linux Programmer's ManuPTHREAD\_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\_set?  
stack(3) and pthread\_attr\_getstack(3) instead.

The pthread\_attr\_setstackaddr() function sets the stack address attri?  
bute 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 at?  
tribute of the thread attributes object referred to by attr in the buf?

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).

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?Interface                ? Attribute    ? Value    ?

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?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/>.

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