



Rocky Enterprise Linux 9.2 Manual Pages on command 'pthread_attr_setdetachstate.3'

C:\>man pthread_attr_setdetachstate.3

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

NAME

pthread_attr_setdetachstate, pthread_attr_getdetachstate - set/get detach state at?
tribute in thread attributes object

SYNOPSIS

```
#include <pthread.h>

int pthread_attr_setdetachstate(pthread_attr_t *attr, int detachstate);

int pthread_attr_getdetachstate(const pthread_attr_t *attr, int *detachstate);

Compile and link with -pthread.
```

DESCRIPTION

The pthread_attr_setdetachstate() function sets the detach state attribute of the thread attributes object referred to by attr to the value specified in detachstate.

The detach state attribute determines whether a thread created using the thread at? tributes object attr will be created in a joinable or a detached state.

The following values may be specified in detachstate:

PTHREAD_CREATE_DETACHED

Threads that are created using attr will be created in a detached state.

PTHREAD_CREATE_JOINABLE

Threads that are created using attr will be created in a joinable state.

The default setting of the detach state attribute in a newly initialized thread at? tributes object is PTHREAD_CREATE_JOINABLE.

The pthread_attr_getdetachstate() returns the detach state attribute of the thread

attributes object attr in the buffer pointed to by detachstate.

RETURN VALUE

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

ERRORS

pthread_attr_setdetachstate() can fail with the following error:

EINVAL An invalid value was specified in detachstate.

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

?pthread_attr_getdetachstate() ? ? ?

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CONFORMING TO

POSIX.1-2001, POSIX.1-2008.

NOTES

See pthread_create(3) for more details on detached and joinable threads.

A thread that is created in a joinable state should eventually either be joined us?

ing pthread_join(3) or detached using pthread_detach(3); see pthread_create(3).

It is an error to specify the thread ID of a thread that was created in a detached

state in a later call to pthread_detach(3) or pthread_join(3).

EXAMPLE

See pthread_attr_init(3).

SEE ALSO

pthread_attr_init(3), pthread_create(3), pthread_detach(3), pthread_join(3),

pthreads(7)

COLOPHON

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the project, information about reporting bugs, and the latest version of this page,

can be found at <https://www.kernel.org/doc/man-pages/>.