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

$ 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 attribute

  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 attributes 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 attributes

  object is PTHREAD_CREATE_JOINABLE.

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

tributes 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   ?
?????????????????????????????????????????????????????????????
?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 using
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).

EXAMPLES

See pthread_attr_init(3).

SEE ALSO

pthread_attr_init(3), pthread_create(3), pthread_detach(3), pthread_join(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   2020-06-09   PTHREAD_ATTR_SETDETACHSTATE(3)