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

$ man pthread_attr_getdetachstate.3

PTHREAD_ATTR_SETDETACHSTATELinux Programmer's MaPTHREAD_ATTR_SETDETACHSTATE(3)

NAME

    pthread_attr_setdetachstate, pthread_attr_getdetachstate - set/get de?

    tach 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 attri?

    bute 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 de?

        tached state.

    PTHREAD_CREATE_JOINABLE

        Threads that are created using attr will be created in a join?

        able state.

The default setting of the detach state attribute in a newly initial‐
ized thread attributes 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 detach‐
state.

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 at‐
tributes(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)