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

$ man pthread_attr_getstacksize.3p

PTHREAD_ATTR_GETSTACKSIZE(3POSIX Programmer's ManPTHREAD_ATTR_GETSTACKSIZE(3P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

pthread_attr_getstacksize, pthread_attr_setstacksize ? get and set the stacksize attribute

SYNOPSIS

```
#include <pthread.h>
int pthread_attr_getstacksize(const pthread_attr_t *restrict attr,
    size_t *restrict stacksize);
int pthread_attr_setstacksize(pthread_attr_t *attr, size_t stacksize);
```

DESCRIPTION

The pthread_attr_getstacksize() and pthread_attr_setstacksize() func? tions, respectively, shall get and set the thread creation stacksize attribute in the attr object.

The stacksize attribute shall define the minimum stack size (in bytes) allocated for the created threads stack.

The behavior is undefined if the value specified by the attr argument to pthread_attr_getstacksize() or pthread_attr_setstacksize() does not refer to an initialized thread attributes object.

RETURN VALUE

Upon successful completion, pthread_attr_getstacksize() and pthread_attr_setstacksize() shall return a value of 0; otherwise, an error number shall be returned to indicate the error.

The pthread_attr_getstacksize() function stores the stacksize attribute value in stacksize if successful.

ERRORS

The pthread_attr_setstacksize() function shall fail if:

EINVAL The value of stacksize is less than {PTHREAD_STACK_MIN} or ex? ceeds a system-imposed limit.

These functions shall not return an error code of [EINTR].

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

If an implementation detects that the value specified by the attr argu? ment to pthread_attr_getstacksize() or pthread_attr_setstacksize() does not refer to an initialized thread attributes object, it is recommended that the function should fail and report an [EINVAL] error.

FUTURE DIRECTIONS

None.

SEE ALSO

pthread_attr_destroy(), pthread_attr_getdetachstate(), pthread_create()

The Base Definitions volume of POSIX.1?2017, <limits.h>, <pthread.h>

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