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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'posix\_spawnattr\_getschedpolicy.3p' command**

**\$ man posix\_spawnattr\_getschedpolicy.3p**

POSIX\_SPAWNATTR\_GETSCHEDPOLPOSIXPProgrammer'POSIX\_SPAWNATTR\_GETSCHEDPOLICY(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

posix\_spawnattr\_getschedpolicy, posix\_spawnattr\_setschedpolicy ? get and set the spawn-schedpolicy attribute of a spawn attributes object (ADVANCED REALTIME)

### SYNOPSIS

```
#include <spawn.h>
#include <sched.h>
int posix_spawnattr_getschedpolicy(const posix_spawnattr_t
    *restrict attr, int *restrict schedpolicy);
int posix_spawnattr_setschedpolicy(posix_spawnattr_t *attr,
    int schedpolicy);
```

### DESCRIPTION

The posix\_spawnattr\_getschedpolicy() function shall obtain the value of the spawn-schedpolicy attribute from the attributes object referenced by attr.

The posix\_spawnattr\_setschedpolicy() function shall set the spawn-schedpolicy attribute in an initialized attributes object referenced by

attr.

The spawn-schedpolicy attribute represents the scheduling policy to be assigned to the new process image in a spawn operation (if POSIX\_SPAWN\_SETSCHEDULER is set in the spawn-flags attribute). The default fault value of this attribute is unspecified.

## RETURN VALUE

Upon successful completion, posix\_spawnattr\_getschedpolicy() shall return zero and store the value of the spawn-schedpolicy attribute of attr into the object referenced by the schedpolicy parameter; otherwise, an error number shall be returned to indicate the error.

Upon successful completion, posix\_spawnattr\_setschedpolicy() shall return zero; otherwise, an error number shall be returned to indicate the error.

## ERRORS

These functions may fail if:

EINVAL The value specified by attr is invalid.

The posix\_spawnattr\_setschedpolicy() function may fail if:

EINVAL The value of the attribute being set is not valid.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

These functions are part of the Spawn and Process Scheduling options and need not be provided on all implementations.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

posix\_spawn(), posix\_spawnattr\_destroy(), posix\_spawnattr\_getsigdefault(), posix\_spawnattr\_getflags(), posix\_spawnattr\_getpgroup(), posix\_spawnattr\_getschedparam(), posix\_spawnattr\_getsigmask()

The Base Definitions volume of POSIX.1-2017, <sched.h>, <spawn.h>

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