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

\$ man sched_getscheduler.3p

SCHED_GETSCHEDULER(3P) POSIX Programmer's Manual SCHED_GETSCHEDULER(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

sched_getscheduler ? get scheduling policy (REALTIME)

SYNOPSIS

```
#include <sched.h>
```

```
int sched_getscheduler(pid_t pid);
```

DESCRIPTION

The sched_getscheduler() function shall return the scheduling policy of the process specified by pid. If the value of pid is negative, the behavior of the sched_getscheduler() function is unspecified.

The values that can be returned by sched_getscheduler() are defined in the <sched.h> header.

If a process specified by pid exists, and if the calling process has permission, the scheduling policy shall be returned for the process whose process ID is equal to pid.

If pid is zero, the scheduling policy shall be returned for the calling process.

RETURN VALUE

Upon successful completion, the `sched_getscheduler()` function shall return the scheduling policy of the specified process. If unsuccessful, the function shall return -1 and set `errno` to indicate the error.

ERRORS

The `sched_getscheduler()` function shall fail if:

EPERM The requesting process does not have permission to determine the scheduling policy of the specified process.

ESRCH No process can be found corresponding to that specified by `pid`.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`sched_getparam()`, `sched_setparam()`, `sched_setscheduler()`

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

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