

Realtime Library Functions sched_getscheduler(3RT)

NAME

sched_getscheduler - get scheduling policy

SYNOPSIS

```
cc [ flag... ] file... -lrt [ library... ]
#include <sched.h>
```

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

DESCRIPTION

The `sched_getscheduler()` function returns 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 header `<sched.h>` and described on the `sched_setscheduler(3RT)` manual page.

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

If `pid` is 0, the scheduling policy will be returned for the calling process.

RETURN VALUES

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

ERRORS

The `sched_getscheduler()` function will fail if:

ENOSYS

The `sched_getscheduler()` function is not supported by the system.

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`.

ATTRIBUTES

See `attributes(5)` for descriptions of the following attributes:

ATTRIBUTE TYPE	ATTRIBUTE VALUE
Interface Stability	Standard
MT-Level	MT-Safe

SEE ALSO

`librt(3LIB)`, `sched(3HEAD)`, `sched_getparam(3RT)`, `sched_setparam(3RT)`, `sched_setscheduler(3RT)`, `attributes(5)`

NOTES

Solaris 2.6 was the first release to support `libposix4/librt`. Prior to this release, this function always returned -1 and set `errno` to `ENOSYS`.

SunOS 5.9

Last change: 5 Oct 2001