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

\$ man cfsetispeed.3p

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

cfsetispeed ? set input baud rate

SYNOPSIS

```
#include <termios.h>

int cfsetispeed(struct termios *termios_p, speed_t speed);
```

DESCRIPTION

The `cfsetispeed()` function shall set the input baud rate stored in the structure pointed to by `termios_p` to `speed`.

There shall be no effect on the baud rates set in the hardware until a subsequent successful call to `tcsetattr()` with the same `termios` structure. Similarly, errors resulting from attempts to set baud rates not supported by the terminal device need not be detected until the `tcsetattr()` function is called.

RETURN VALUE

Upon successful completion, `cfsetispeed()` shall return 0; otherwise, -1 shall be returned, and `errno` may be set to indicate the error.

ERRORS

The `cfsetispeed()` function may fail if:

EINVAL The speed value is not a valid baud rate.

EINVAL The value of speed is outside the range of possible speed values as specified in `<termios.h>`.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

Refer to `cfgetispeed()`.

FUTURE DIRECTIONS

None.

SEE ALSO

`cfgetispeed()`, `cfgetospeed()`, `cfsetospeed()`, `tcsetattr()`

The Base Definitions volume of POSIX.1?2017, Chapter 11, General Terminal Interface, `<termios.h>`

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