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Rocky Enterprise Linux 9.2 Manual Pages on command 'fgets_unlocked.3'

\$ man fgets_unlocked.3

UNLOCKED_STUDIO(3) Linux Programmer's Manual UNLOCKED_STUDIO(3)

NAME

 fgets_unlocked, getchar_unlocked, putchar_unlocked - nonlocking stdio func-
 tions

SYNOPSIS

```
#include <stdio.h>

int fgets_unlocked(FILE *stream);

int getchar_unlocked(void);

int putchar_unlocked(int c, FILE *stream);

int putchar_unlocked(int c);

void clearerr_unlocked(FILE *stream);

int feof_unlocked(FILE *stream);

int ferror_unlocked(FILE *stream);

int fileno_unlocked(FILE *stream);

int fflush_unlocked(FILE *stream);

int fgetc_unlocked(FILE *stream);

int fputc_unlocked(int c, FILE *stream);

size_t fread_unlocked(void *ptr, size_t size, size_t n,
                      FILE *stream);

size_t fwrite_unlocked(const void *ptr, size_t size, size_t n,
                      FILE *stream);

char *fgets_unlocked(char *s, int n, FILE *stream);

int fputs_unlocked(const char *s, FILE *stream);
```

```
#include <wchar.h>

wint_t getwc_unlocked(FILE *stream);

wint_t getwchar_unlocked(void);

wint_t fgetwc_unlocked(FILE *stream);

wint_t fputwc_unlocked(wchar_t wc, FILE *stream);

wint_t putwc_unlocked(wchar_t wc, FILE *stream);

wint_t putwchar_unlocked(wchar_t wc);

wchar_t *fgetws_unlocked(wchar_t *ws, int n, FILE *stream);

int fputws_unlocked(const wchar_t *ws, FILE *stream);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

```
getc_unlocked(), getchar_unlocked(), putc_unlocked(), putchar_unlocked():

    /* Since glibc 2.24: */ _POSIX_C_SOURCE >= 199309L

    || /* Glibc versions <= 2.23: */ _POSIX_C_SOURCE

    || /* Glibc versions <= 2.19: */ _SVID_SOURCE || _BSD_SOURCE

clearerr_unlocked(), feof_unlocked(), ferror_unlocked(), fileno_unlocked(), fflush_un?
locked(), fgetc_unlocked(), fputc_unlocked(), fread_unlocked(), fwrite_unlocked():

    /* Glibc since 2.19: */ _DEFAULT_SOURCE

    || /* Glibc versions <= 2.19: */ _SVID_SOURCE || _BSD_SOURCE

fgets_unlocked(), fputs_unlocked(), getwc_unlocked(), getwchar_unlocked(), fgetwc_un?
locked(), fputwc_unlocked(), putwchar_unlocked(), fgetws_unlocked(), fputws_unlocked():

    _GNU_SOURCE
```

DESCRIPTION

Each of these functions has the same behavior as its counterpart without the "_unlocked" suffix, except that they do not use locking (they do not set locks themselves, and do not test for the presence of locks set by others) and hence are thread-unsafe. See flock(2) and flock(3).

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

??

| | | | | | |
|------------|---|-----------|---|-------|---|
| ?Interface | ? | Attribute | ? | Value | ? |
|------------|---|-----------|---|-------|---|

??

| | | | | | |
|-------------------|---|---------------|---|---------------------|---|
| ?getc_unlocked(), | ? | Thread safety | ? | MT-Safe race:stream | ? |
|-------------------|---|---------------|---|---------------------|---|

| | | | | | |
|-------------------|---|--|---|--|---|
| ?putc_unlocked(), | ? | | ? | | ? |
|-------------------|---|--|---|--|---|

| | | |
|--|---|---|
| ?clearerr_unlocked(), | ? | ? |
| ?fflush_unlocked(), | ? | ? |
| ?fgetc_unlocked(), | ? | ? |
| ?fputc_unlocked(), | ? | ? |
| ?fread_unlocked(), | ? | ? |
| ?fwrite_unlocked(), | ? | ? |
| ?fgets_unlocked(), | ? | ? |
| ?fputs_unlocked(), | ? | ? |
| ?getwc_unlocked(), | ? | ? |
| ?fgetwc_unlocked(), | ? | ? |
| ?fputwc_unlocked(), | ? | ? |
| ?putwc_unlocked(), | ? | ? |
| ?fgetws_unlocked(), | ? | ? |
| ?fputws_unlocked() | ? | ? |
| ?? | | |
| ?getchar_unlocked(), | ? Thread safety ? MT-Unsafe race:stdin | ? |
| ?getwchar_unlocked() | ? | ? |
| ?? | | |
| ?putchar_unlocked(), | ? Thread safety ? MT-Unsafe race:stdout | ? |
| ?putwchar_unlocked() | ? | ? |
| ?? | | |
| ?feof_unlocked(), | ? Thread safety ? MT-Safe | ? |
| ?ferror_unlocked(), | ? | ? |
| ?fileno_unlocked() | ? | ? |
| ?? | | |

CONFORMING TO

The four functions `getc_unlocked()`, `getchar_unlocked()`, `putc_unlocked()`, `putchar_unlocked()` are in POSIX.1-2001 and POSIX.1-2008.

The nonstandard `*_unlocked()` variants occur on a few UNIX systems, and are available in recent glibc. They should probably not be used.

SEE ALSO

`flockfile(3)`, `stdio(3)`

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

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