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

\$ man qecvt_r.3

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

NAME

ecvt_r, fcvt_r, qecvt_r, qfcvt_r - convert a floating-point number to a string

SYNOPSIS

```
#include <stdlib.h>

int ecvt_r(double number, int ndigits, int *decpt,
           int *sign, char *buf, size_t len);

int fcvt_r(double number, int ndigits, int *decpt,
           int *sign, char *buf, size_t len);

int qecvt_r(long double number, int ndigits, int *decpt,
            int *sign, char *buf, size_t len);

int qfcvt_r(long double number, int ndigits, int *decpt,
            int *sign, char *buf, size_t len);
```

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

```
ecvt_r(), fcvt_r(), qecvt_r(), qfcvt_r():
```

```
/* Glibc since 2.19: */ _DEFAULT_SOURCE
```

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

DESCRIPTION

The functions `ecvt_r()`, `fcvt_r()`, `qecvt_r()`, and `qfcvt_r()` are identical to `ecvt(3)`, `fcvt(3)`, `qecvt(3)`, and `qfcvt(3)`, respectively, except that they do not return their result in a static buffer, but instead use the supplied `buf` of size `len`. See `ecvt(3)` and `qecvt(3)`.

RETURN VALUE

These functions return 0 on success, and -1 otherwise.

ATTRIBUTES

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

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?Interface ? Attribute ? Value ?

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?`ecvt_r()`, `fcvt_r()`, ? Thread safety ? MT-Safe ?

?`qecvt_r()`, `qfcvt_r()` ? ? ?

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CONFORMING TO

These functions are GNU extensions.

NOTES

These functions are obsolete. Instead, `sprintf(3)` is recommended.

SEE ALSO

`ecvt(3)`, `qecvt(3)`, `sprintf(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/>.