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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'error.3' command**

**\$ man error.3**

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

NAME

error, error\_at\_line, error\_message\_count, error\_one\_per\_line, error\_print\_progname - glibc error reporting functions

SYNOPSIS

```
#include <error.h>

void error(int status, int errnum, const char *format, ...);

void error_at_line(int status, int errnum, const char *filename,
                  unsigned int linenum, const char *format, ...);

extern unsigned int error_message_count;

extern int error_one_per_line;

extern void (*error_print_progname) (void);
```

DESCRIPTION

error() is a general error-reporting function. It flushes stdout, and then outputs to stderr the program name, a colon and a space, the message specified by the printf(3)-style format string format, and, if errnum is nonzero, a second colon and a space followed by the string given by strerror(errnum). Any arguments required for format should follow format in the argument list. The output is terminated by a newline character.

The program name printed by error() is the value of the global variable program\_invocation\_name(3). program\_invocation\_name initially has the same value as main()'s argv[0]. The value of this variable can be modified



variables (not exposed to users) used to hold the last printed filename and line number are accessed and modified without synchronization; the update is not atomic and it occurs before disabling cancellation, so it can be interrupted only after one of the two variables is modified.

After that, `error_at_line()` is very much like `error()`.

#### CONFORMING TO

These functions and variables are GNU extensions, and should not be used in programs intended to be portable.

#### SEE ALSO

`err(3)`, `errno(3)`, `exit(3)`, `perror(3)`, `program_invocation_name(3)`, `strerror(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/>.

GNU

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