NAME

ulimit - get and set process limits

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <ulimit.h>

long
ulimit(*int cmd*, ...);

DESCRIPTION

The **ulimit**() function will get and set process limits. Currently this is limited to the maximum file size. The *cmd* argument is one of the following:

UL_GETFSIZE will return the maximum file size in units of 512 blocks of the current process.

UL_SETFSIZE will attempt to set the maximum file size of the current process and its children with the second argument expressed as a long.

RETURN VALUES

Upon successful completion, **ulimit**() returns the value requested; otherwise the value -1 is returned and the global variable *errno* is set to indicate the error.

ERRORS

The **ulimit**() function will fail if:

[EINVAL] The command specified was invalid.

[EPERM] The limit specified to **ulimit**() would have raised the maximum limit value, and the caller is not the super-user.

SEE ALSO

getrlimit(2)

STANDARDS

The **ulimit**() function conforms to IEEE Std 1003.1-2001 ("POSIX.1").

HISTORY

The **ulimit**() function first appeared in FreeBSD 5.0.

BUGS

The **ulimit**() function provides limited precision for setting and retrieving process limits. If there is a need for greater precision than the type *long* provides, the getrlimit(2) and setrlimit(2) functions should be considered.