

NAME

ulimit – get and set user limits

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

```
#include <ulimit.h>
```

```
[[deprecated]] long ulimit(int cmd, long newlimit);
```

DESCRIPTION

Warning: this routine is obsolete. Use **getrlimit(2)**, **setrlimit(2)**, and **sysconf(3)** instead. For the shell command **ulimit**, see **bash(1)**.

The **ulimit()** call will get or set some limit for the calling process. The *cmd* argument can have one of the following values.

UL_GETFSIZE

Return the limit on the size of a file, in units of 512 bytes.

UL_SETFSIZE

Set the limit on the size of a file.

3 (Not implemented for Linux.) Return the maximum possible address of the data segment.

4 (Implemented but no symbolic constant provided.) Return the maximum number of files that the calling process can open.

RETURN VALUE

On success, **ulimit()** returns a nonnegative value. On error, **-1** is returned, and *errno* is set to indicate the error.

ERRORS**EPERM**

An unprivileged process tried to increase a limit.

ATTRIBUTES

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

Interface	Attribute	Value
ulimit()	Thread safety	MT-Safe

STANDARDS

SVr4, POSIX.1-2001. POSIX.1-2008 marks **ulimit()** as obsolete.

SEE ALSO

bash(1), **getrlimit(2)**, **setrlimit(2)**, **sysconf(3)**