Rocky Enterprise Linux 9.2 Manual Pages on command 'uselib.2'

$ man uselib.2

USELIB(2)   Linux Programmer's Manual   USELIB(2)

NAME

   uselib - load shared library

SYNOPSIS

   #include <unistd.h>

   int uselib(const char *library);

   Note: No declaration of this system call is provided in glibc headers;

   see NOTES.

DESCRIPTION

   The system call uselib() serves to load a shared library to be used by

   the calling process.   It is given a pathname. The address where to

   load is found in the library itself. The library can have any recog?

   nized binary format.

RETURN VALUE

   On success, zero is returned. On error, -1 is returned, and errno is

   set appropriately.

ERRORS

   In addition to all of the error codes returned by open(2) and mmap(2),

the following may also be returned:

EACCES The library specified by library does not have read or execute

   permission, or the caller does not have search permission for

   one of the directories in the path prefix. (See also path_reso‐

   lution(7).)

ENFILE The system-wide limit on the total number of open files has been

   reached.

ENOEXEC

   The file specified by library is not an executable of a known

   type; for example, it does not have the correct magic numbers.

CONFORMING TO

   uselib() is Linux-specific, and should not be used in programs intended

   to be portable.

NOTES

   This obsolete system call is not supported by glibc. No declaration is

   provided in glibc headers, but, through a quirk of history, glibc ver‐

   sions before 2.23 did export an ABI for this system call. Therefore,

   in order to employ this system call, it was sufficient to manually de‐

   clare the interface in your code; alternatively, you could invoke the

   system call using syscall(2).

   In ancient libc versions (before glibc 2.0), uselib() was used to load

   the shared libraries with names found in an array of names in the bi‐

   nary.

   Since Linux 3.15, this system call is available only when the kernel is

   configured with the CONFIG_USELIB option.

SEE ALSO

   ar(1), gcc(1), ld(1), ldd(1), mmap(2), open(2), dlopen(3), capabili‐

   ties(7), ld.so(8)

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/.