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

C:\>man inotify_init.2

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

NAME

inotify_init, inotify_init1 - initialize an inotify instance

SYNOPSIS

#include <sys/inotify.h>

int inotify_init(void);

int inotify_init1(int flags);

DESCRIPTION

For an overview of the inotify API, see inotify(7).

inotify_init() initializes a new inotify instance and returns a file descriptor as?

sociated with a new inotify event queue.

If flags is 0, then inotify_init1() is the same as inotify_init(). The following

values can be bitwise ORed in flags to obtain different behavior:

IN_NONBLOCK Set the O_NONBLOCK file status flag on the open file description (see

open(2)) referred to by the new file descriptor. Using this flag saves

extra calls to fcntl(2) to achieve the same result.

IN_CLOEXEC Set the close-on-exec (FD_CLOEXEC) flag on the new file descriptor.

See the description of the O_CLOEXEC flag in open(2) for reasons why

this may be useful.

RETURN VALUE

On success, these system calls return a new file descriptor. On error, -1 is re?

turned, and errno is set to indicate the error.

ERRORS

EINVAL (inotify_init1()) An invalid value was specified in flags.

EMFILE The user limit on the total number of inotify instances has been reached.

EMFILE The per-process limit on the number of open file descriptors has been reached.

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

ENOMEM Insufficient kernel memory is available.

VERSIONS

inotify_init() first appeared in Linux 2.6.13; library support was added to glibc in version 2.4. inotify_init1() was added in Linux 2.6.27; library support was added to glibc in version 2.9.

CONFORMING TO

These system calls are Linux-specific.

SEE ALSO

inotify_add_watch(2), inotify_rm_watch(2), inotify(7)

COLOPHON

This page is part of release 5.05 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/.