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

$ 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 associated 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 be?

    havior:

    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 re?

sult.

IN_CLOEXEC

   Set the close-on-exec (FD_CLOEXEC) flag on the new file descrip‐

   tor. 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 returned, 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 5.10 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/.

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