NAME

inotify_init, inotify_init1 − initialize an inotify instance

SYNOPSIS

#include <sys/inotify.h>

int inotify_init(void);
int inotify_init1(int *flags***);**

DESCRIPTION

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 behavior:

IN_NONBLOCK
Set the **O_NONBLOCK** file status flag on the new open file description. 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 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.

ENFILE
The system limit on the total number of file descriptors has been reached.

ENOMEM
Insufficient kernel memory is available.

VERSIONS

inotify_init() first appeared in Linux 2.6.13. **inotify_init1**() was added in Linux 2.6.27.

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 3.22 of the Linux *man-pages* project. A description of the project, and information about reporting bugs, can be found at http://www.kernel.org/doc/man-pages/.