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

$ man lookup_dcookie.2

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

NAME

    lookup_dcookie - return a directory entry's path

SYNOPSIS

    int lookup_dcookie(u64 cookie, char *buffer, size_t len);

DESCRIPTION

    Look up the full path of the directory entry specified by the value cookie. The cookie is

    an opaque identifier uniquely identifying a particular directory entry. The buffer given

    is filled in with the full path of the directory entry.

    For lookup_dcookie() to return successfully, the kernel must still hold a cookie reference

    to the directory entry.

RETURN VALUE

    On success, lookup_dcookie() returns the length of the path string copied into the buffer.

    On error, -1 is returned, and errno is set appropriately.

ERRORS

    EFAULT The buffer was not valid.

    EINVAL The kernel has no registered cookie/directory entry mappings at the time of lookup,

        or the cookie does not refer to a valid directory entry.

    ENAMETOOLONG

        The name could not fit in the buffer.

    ENOMEM The kernel could not allocate memory for the temporary buffer holding the path.

    EPERM The process does not have the capability CAP_SYS_ADMIN required to look up cookie

        values.

ERANGE The buffer was not large enough to hold the path of the directory entry.

VERSIONS

Available since Linux 2.5.43. The ENAMETOOLONG error return was added in 2.5.70.

CONFORMING TO

lookup_dcookie() is Linux-specific.

NOTES

lookup_dcookie() is a special-purpose system call, currently used only by the oprofile(1)

profiler. It relies on a kernel driver to register cookies for directory entries.

The path returned may be suffixed by the string " (deleted)" if the directory entry has

been removed.

SEE ALSO

oprofile(1)

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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