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 identi-
>   fier 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 5.05 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/.