

NAME

`removexattr`, `lremovexattr`, `fremovexattr` – remove an extended attribute

SYNOPSIS

```
#include <sys/types.h>
#include <sys/xattr.h>

int removexattr(const char *path, const char *name);
int lremovexattr(const char *path, const char *name);
int fremovexattr(int fd, const char *name);
```

DESCRIPTION

Extended attributes are *name:value* pairs associated with inodes (files, directories, symbolic links, etc.). They are extensions to the normal attributes which are associated with all inodes in the system (i.e., the `stat(2)` data). A complete overview of extended attributes concepts can be found in `xattr(7)`.

`removexattr()` removes the extended attribute identified by *name* and associated with the given *path* in the filesystem.

`lremovexattr()` is identical to `removexattr()`, except in the case of a symbolic link, where the extended attribute is removed from the link itself, not the file that it refers to.

`fremovexattr()` is identical to `removexattr()`, only the extended attribute is removed from the open file referred to by *fd* (as returned by `open(2)`) in place of *path*.

An extended attribute name is a null-terminated string. The *name* includes a namespace prefix; there may be several, disjoint namespaces associated with an individual inode.

RETURN VALUE

On success, zero is returned. On failure, `-1` is returned and *errno* is set appropriately.

ERRORS

ENODATA

The named attribute does not exist.

ENOTSUP

Extended attributes are not supported by the filesystem, or are disabled.

In addition, the errors documented in `stat(2)` can also occur.

VERSIONS

These system calls have been available on Linux since kernel 2.4; glibc support is provided since version 2.3.

CONFORMING TO

These system calls are Linux-specific.

SEE ALSO

`getfattr(1)`, `setfattr(1)`, `getxattr(2)`, `listxattr(2)`, `open(2)`, `setxattr(2)`, `stat(2)`, `symlink(7)`, `xattr(7)`

COLOPHON

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