

NAME

acl_get_entry - retrieve an ACL entry from an ACL

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

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

```
#include <sys/acl.h>
```

int

```
acl_get_entry(acl_t acl, int entry_id, acl_entry_t *entry_p);
```

DESCRIPTION

The **acl_get_entry()** function is a POSIX.1e call that retrieves a descriptor for an ACL entry specified by the argument *entry_id* within the ACL indicated by the argument *acl*.

If the value of *entry_id* is `ACL_FIRST_ENTRY`, then the function will return in *entry_p* a descriptor for the first ACL entry within *acl*. If a call is made to **acl_get_entry()** with *entry_id* set to `ACL_NEXT_ENTRY` when there has not been either an initial successful call to **acl_get_entry()**, or a previous successful call to **acl_create_entry()**, **acl_delete_entry()**, **acl_dup()**, **acl_from_text()**, **acl_get_fd()**, **acl_get_file()**, **acl_set_fd()**, **acl_set_file()**, or **acl_valid()**, then the result is unspecified.

RETURN VALUES

If the **acl_get_entry()** function successfully obtains an ACL entry, a value of 1 is returned. If the ACL has no ACL entries, the **acl_get_entry()** returns a value of 0. If the value of *entry_id* is `ACL_NEXT_ENTRY` and the last ACL entry in the ACL has already been returned by a previous call to **acl_get_entry()**, a value of 0 will be returned until a successful call with *entry_id* of `ACL_FIRST_ENTRY` is made. Otherwise, a value of -1 will be returned and the global variable *errno* will be set to indicate the error.

ERRORS

The **acl_get_entry()** function fails if:

[EINVAL]	Argument <i>acl</i> does not point to a valid ACL. Argument <i>entry_id</i> is neither <code>ACL_FIRST_ENTRY</code> nor <code>ACL_NEXT_ENTRY</code> .
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SEE ALSO

acl(3), acl_calc_mask(3), acl_create_entry(3), acl_delete_entry(3), acl_dup(3), acl_from_text(3), acl_get_fd(3), acl_get_file(3), acl_init(3), acl_set_fd(3), acl_set_file(3), acl_valid(3), posix1e(3)

STANDARDS

POSIX.1e is described in IEEE POSIX.1e draft 17.

HISTORY

POSIX.1e support was introduced in FreeBSD 4.0. The **acl_get_entry()** function was added in FreeBSD 5.0.

AUTHORS

The **acl_get_entry()** function was written by Chris D. Faulhaber <*jedgar@fxp.org*>.