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_d* 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**() fails if:

[EINVAL]   Argument *acl* does not point to a valid ACL. Argument *entry_id* is neither ACL_FIRST_ENTRY nor ACL_NEXT_ENTRY.

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

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