

NAME

`acl_get_perm` — test for a permission in an ACL permission set

LIBRARY

Linux Access Control Lists library (`libacl`, `-lacl`).

SYNOPSIS

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

int
acl_get_perm(acl_permset_t permset_d, acl_perm_t perm);
```

DESCRIPTION

The **`acl_get_perm()`** function tests if the permission specified by the argument *perm* (one of `ACL_READ`, `ACL_WRITE`, `ACL_EXECUTE`) is contained in the ACL permission set pointed to by the argument *permset_d*.

Any existing descriptors that refer to *permset_d* continue to refer to that permission set.

RETURN VALUE

If successful, the **`acl_get_perm()`** function returns `1` if the permission specified by *perm* is contained in the ACL permission set *permset_d*, and `0` if the permission is not contained in the permission set. Otherwise, the value `-1` is returned and the global variable *errno* is set to indicate the error.

ERRORS

If any of the following conditions occur, the **`acl_get_perm()`** function returns `-1` and sets *errno* to the corresponding value:

- | | |
|----------|---|
| [EINVAL] | The argument <i>permset_d</i> is not a valid descriptor for a permission set within an ACL entry. |
| | The argument <i>perm</i> is not a valid <i>acl_perm_t</i> value. |

STANDARDS

This is a non-portable, Linux specific extension to the ACL manipulation functions defined in IEEE Std 1003.1e draft 17 (“POSIX.1e”, abandoned).

SEE ALSO

`acl_add_perm(3)`, `acl_clear_perms(3)`, `acl_delete_perm(3)`, `acl_get_permset(3)`, `acl_set_permset(3)`, `acl(5)`

AUTHOR

Written by Andreas Gruenbacher <andreas.gruenbacher@gmail.com>.