

NAME

`acl_add_perm` — add a permission to an ACL permission set

LIBRARY

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

SYNOPSIS

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

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

DESCRIPTION

The **`acl_add_perm()`** function adds the permission contained in the argument *perm* (one of `ACL_READ`, `ACL_WRITE`, `ACL_EXECUTE`) to the permission set referred to by the argument *permset_d*. An attempt to add a permission that is already contained in the permission set is not considered an error.

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

RETURN VALUE

The **`acl_add_perm()`** function returns the value 0 if successful; 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_add_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> does not contain a valid <i>acl_perm_t</i> value. |

STANDARDS

IEEE Std 1003.1e draft 17 (“POSIX.1e”, abandoned)

SEE ALSO

acl_clear_perms(3), *acl_delete_perm(3)*, *acl_get_perm(3)*, *acl_get_permset(3)*, *acl_set_permset(3)*, *acl(5)*

AUTHOR

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