

NAME

`acl_set_qualifier` — set the qualifier of an ACL entry

LIBRARY

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

SYNOPSIS

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

int
acl_set_qualifier(acl_entry_t entry_d, const void *qualifier_p);
```

DESCRIPTION

The `acl_set_qualifier()` function sets the qualifier of the ACL entry indicated by the argument `entry_d` to the value referred to by the argument `qualifier_p`. If the value of the tag type in the ACL entry referred to by `entry_d` is `ACL_USER`, then the value referred to by `qualifier_p` shall be of type `uid_t`. If the value of the tag type in the ACL entry referred to by `entry_d` is `ACL_GROUP`, then the value referred to by `qualifier_p` shall be of type `gid_t`. If the value of the tag type in the ACL entry referred to by `entry_d` is a tag type for which a qualifier is not supported, `acl_set_qualifier()` returns an error.

Any ACL entry descriptors that refer to the entry referred to by `entry_d` continue to refer to that entry. This function may cause memory to be allocated. The caller should free any releasable memory, when the ACL is no longer required, by calling `acl_free()` with a pointer to the ACL as argument.

RETURN VALUE

The `acl_set_qualifier()` 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_set_qualifier()` function returns -1 and sets `errno` to the corresponding value:

[EINVAL]	The argument <code>entry_d</code> is not a valid descriptor for an ACL entry. The value of the tag type in the ACL entry referenced by the argument <code>entry_d</code> is neither <code>ACL_USER</code> nor <code>ACL_GROUP</code> . The value pointed to by the argument <code>qualifier_p</code> is not valid.
[ENOMEM]	The <code>acl_set_qualifier()</code> function is unable to allocate the memory required for the ACL qualifier.

STANDARDS

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

SEE ALSO

`acl_create_entry(3)`, `acl_free(3)`, `acl_get_permset(3)`, `acl_get_qualifier(3)`, `acl_get_tag_type(3)`, `acl_set_entry(3)`, `acl_set_permset(3)`, `acl_set_tag_type(3)`, `acl(5)`

AUTHOR

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