NAME

bsde_add_rule, **bsde_get_rule**, **bsde_set_rule**, **bsde_delete_rule** - file system firewall rules list management

LIBRARY

File System Firewall Interface Library (libugidfw, -lugidfw)

SYNOPSIS

#include <ugidfw.h>

int
bsde_add_rule(*int *rulenum*, *struct mac_bsdextended_rule *rule*, *size_t buflen*, *char *errstr*);

int
bsde_get_rule(*int rulenum*, *struct mac_bsdextended_rule *rule*, *size_t errlen*, *char *errstr*);

int
bsde_set_rule(*int rulenum*, *struct mac_bsdextended_rule *rule*, *size_t errlen*, *char *errstr*);

int
bsde_delete_rule(*int rulenum*, *size_t errlen*, *char *errstr*);

DESCRIPTION

The **bsde_add_rule**() function fills the next available rule (in *struct mac_bsdextended_rule* form, either from **bsde_get_rule**() or bsde_parse_rule(3)). If an error occurs, **errstr* is filled with the error string (up to *errlen* characters, including the terminating NUL). If successful and *rulenum* is non-NULL, the rule number used will be returned in **rulenum*.

The **bsde_get_rule**() function fills in **rule* with the rule numbered *rulenum*. If an error occurs, **errstr* is filled in with the error string (up to *errlen* characters, including the terminating NUL).

The **bsde_set_rule**() function fills the slot numbered *rulenum* with the specified rule (in *struct mac_bsdextended_rule* form, either from **bsde_get_rule**() or bsde_parse_rule(3)). If an error occurs, **errstr* is filled with the error string (up to *errlen* characters, including the terminating NUL).

The **bsde_delete_rule**() function deletes the rule numbered *rulenum*. If an error occurs, **errstr* is filled with the error string (up to *errlen* characters, including the terminating NUL).

RETURN VALUES

The **bsde_get_rule**(), **bsde_set_rule**(), and **bsde_delete_rule**() functions return 0 if successful; otherwise

the value -1 is returned and the value of *errstr* is filled in as documented in *DESCRIPTION*.

SEE ALSO

bsde_get_rule_count(3), bsde_get_rule_slots(3), bsde_parse_rule(3), bsde_parse_rule_string(3), bsde_rule_to_string(3), libugidfw(3), mac_bsdextended(4), ugidfw(8)

AUTHORS

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