

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_bsdeextended_rule *rule, size_t buflen, char *errstr);
```

int

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

int

```
bsde_set_rule(int rulenum, struct mac_bsdeextended_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_bsdeextended_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_bsdeextended_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_bsdeextended(4), ugidfw(8)

AUTHORS

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