NAME

security_set_boolean, security_commit_booleans, security_get_boolean_names, security_get_boolean_active, security_get_boolean_pending − routines for manipulating SELinux boolean values

SYNOPSIS

#include <selinux/selinux.h>

int security_get_boolean_names(char ******names*, int ****len***);**

int security_get_boolean_pending(const char ****name*);**

int security_get_boolean_active(const char ****name*);**

int security_set_boolean(const char ****name*, int** *value***);**

int security_set_boolean_list(size_t *boolcnt***, SELboolean ****boollist***, int** *permanent***);**

int security_commit_booleans(void);

DESCRIPTION

The SELinux policy can include conditional rules that are enabled or disabled based on the current values of a set of policy booleans. These policy booleans allow runtime modification of the security policy without having to load a new policy.

The SELinux API allows for a transaction based update. So you can set several boolean values and then commit them all at once.

security_get_boolean_names() provides a list of boolean names, currently supported by the loaded policy.

security_get_boolean_pending() returns the pending value for boolean or −1 on failure.

security_get_boolean_active() returns the active value for boolean or −1 on failure.

security_set_boolean() sets the pending value for boolean

security_set_boolean_list() saves a list of booleans in a single transaction. Note that the **int** *permanent* flag is deprecated and should be set to zero.

security_commit_booleans() commits all pending values for the booleans.

RETURN VALUE

Where not otherwise stated, functions described in this manual page return zero on success or −1 on error.

AUTHOR

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SEE ALSO

selinux(8), **getsebool**(8), **booleans**(8), **togglesebool**(8)