NAME

getsockcreatecon, setsockcreatecon − get or set the SELinux security context used for creating a new labeled sockets

SYNOPSIS

#include <selinux/selinux.h>

int getsockcreatecon(char *****con*);**

int getsockcreatecon_raw(char *****con*);**

int setsockcreatecon(char ****context*);**

int setsockcreatecon_raw(char ****context*);**

DESCRIPTION

getsockcreatecon() retrieves the context used for creating a new labeled network socket. This returned context should be freed with **freecon**(3) if non-NULL. **getsockcr eatecon**() sets *con to NULL if no sockcreate context has been explicitly set by the program (i.e. using the default policy behavior).

setsockcreatecon() sets the context used for creating a new labeled network sockets NULL can be passed to **setsockcreatecon**() to reset to the default policy behavior. The sockcreate context is automatically reset after the next **execve**(2), so a program doesn't need to explicitly sanitize it upon startup.

setsockcreatecon() can be applied prior to library functions that internally perform an file creation, in order to set an file context on the objects.

getsockcreatecon_raw() and **setsockcreatecon_raw**() behave identically to their non-raw counterparts but do not perform context translation.

Note: Signal handlers that perform a **setsockcreatecon**() must take care to save, reset, and restore the sockcreate context to avoid unexpected behavior.

Note: Contexts are thread specific.

RETURN VALUE

On error −1 is returned. On success 0 is returned.

SEE ALSO

selinux(8), **freecon**(3), **getcon**(3)