NAME

cr_cansee - determine visibility of objects given their user credentials

SYNOPSIS

#include <sys/proc.h>

int
cr_cansee(*struct ucred *u1*, *struct ucred *u2*);

DESCRIPTION

This function determines if a subject with credential *u1* can see a subject or object associated to credential *u2*.

Specific types of subjects may need to submit to additional or different restrictions. As an example, for processes, see p_cansee(9), which calls this function.

The implementation relies on cr_bsd_visible(9) and consequently the sysctl(8) variables referenced in its manual page influence the result.

RETURN VALUES

This function returns zero if the subject with credential *u1* can "see" the subject or object with credential *u2*, or ESRCH otherwise.

ERRORS

[ESRCH]   The subject with credential *u1* has been jailed and the subject or object with credential *u2* does not belong to the same jail or one of its sub-jails, as determined by prison_check(9).

[ESRCH]   The MAC subsystem denied visibility.

[ESRCH]   cr_bsd_visible(9) denied visibility according to the BSD security policies in force.

SEE ALSO

prison_check(9), mac(9), cr_bsd_visible(9), p_cansee(9)