NAME

snp - tty snoop interface

SYNOPSIS

#include <sys/snoop.h>

int
ioctl(*fd*, *SNPSTTY*, *&dev*);

int
ioctl(*fd*, *SNPGTTY*, *&dev*);

int
ioctl(*fd*, *FIONREAD*, *&result*);

DESCRIPTION

/dev/snp is a snoop device which allows users to attach to any tty and watch activities on it. The kernel must be compiled with **device snp**, or the **snp** module must be loaded, for these devices to be available.

To associate a given **snp** device with a tty to be observed, open the **snp** device and a tty device, and then issue the SNPSTTY ioctl on **snp** device. The argument passed to the ioctl(2) is the address of a variable of type *int*, holding the file descriptor of a tty device. To detach the **snp** device from a tty use a pointer to a value of -1.

The SNPGTTY ioctl returns information about the current tty attached to the open **snp** device.

The FIONREAD ioctl returns a positive value equal to the number of characters in a read buffer. Special values defined are:

SNP_TTYCLOSE tty not attached.

SNP_DETACH   **snp** device has been detached by user or tty device has been closed and detached.

SEE ALSO

pty(4), kldload(8), watch(8)

HISTORY

The **snp** device first appeared in FreeBSD 2.1. In FreeBSD 8.0 the **snp** driver was rewritten to work with the replaced TTY subsystem.

AUTHORS

The author of the current implementation is Ed Schouten *<ed@FreeBSD.org>*. Previous versions of **snp** were based on code written by Ugen J.S. Antsilevich *<ugen@NetVision.net.il>*.