

**NAME**

slattach – attach a network interface to a serial line

**SYNOPSIS**

**slattach** [**-dehlLmnqv**] [**-c command**] [**-p proto**] [**-s speed**] [**tty**]

**DESCRIPTION**

**Slattach** is a tiny little program that can be used to put a normal terminal ("serial") line into one of several "network" modes, thus allowing you to use it for point-to-point links to other computers.

**OPTIONS**

**tty** Path to a serial device like */dev/ttyS\**, */dev/cua\** or */dev/ptmx* to spawn a new pseudo tty.

**[-c command]**

Execute **command** when the line is hung up. This can be used to run scripts or re-establish connections when a link goes down.

**[-d]** Enable debugging output. Useful when determining why a given setup doesn't work.

**[-h]** Exit when the carrier is lost. This works on both */dev/tty* and */dev/cua* devices by directly monitoring the carrier status every 15 seconds.

**[-v]** Enable verbose output. Useful in shell scripts.

**[-q]** Operate in quiet mode - no messages at all.

**[-l]** Create an UUCP-style lockfile for the device in */var/lock*.

**[-n]** Equivalent to the "mesg n" command.

**[-m]** Do **not** initialize the line into 8 bits raw mode.

**[-e]** Exit right after initializing device, instead of waiting for the line to hang up.

**[-L]** Enable 3 wire operation. The terminal is moved into CLOCAL mode, carrier watching is disabled.

**[-p proto]**

Set a specific kind of protocol to use on the line. The default is set to **cslip**, i.e. compressed SLIP. Other possible values are **slip** (normal SLIP), **adaptive** (adaptive CSLIP/SLIP), **ppp** (Point-to-Point Protocol) and **kiss** (a protocol used for communicating with AX.25 packet radio terminal node controllers). The special argument **tty** can be used to put the device back into normal serial operation. Using 'ppp' mode is not normally useful as ppp requires an additional ppp daemon **pppd** to be active on the line. For kiss connections the **kissattach** program should be used.

**[-s speed]**

Set a specific line speed, other than the default.

If no arguments are given, the current terminal line (usually: the login device) is used. Otherwise, an attempt is made to claim the indicated terminal port, lock it, and open it.

**FILES**

*/dev/cua\** */var/lock/LCK.\** */dev/ttyS\** */dev/ptmx*

**BUGS**

None known.

**SEE ALSO**

kissattach(8), dip(8) pppd(8), sliplogin(8).

**AUTHORS**

Fred N. van Kempen, <waltje@uwalt.nl.mugnet.org>

Alan Cox, <Alan.Cox@linux.org>

Miquel van Smoorenburg, <miquels@drinkel.ow.org>

George Shearer, <gshearer@one.net>

Yossi Gottlieb, <yogo@math.tau.ac.il>