NAME

ldattach – attach a line discipline to a serial line

SYNOPSIS

ldattach [**–1278denoVh**] [**–i** *iflag*] [**–s** *speed*] *ldisc device*

DESCRIPTION

The **ldattach** daemon opens the specified *device* file (which should refer to a serial device) and attaches the line discipline *ldisc* to it for processing of the sent and/or received data. It then goes into the background keeping the device open so that the line discipline stays loaded.

The line discipline *ldisc* may be specified either by name or by number.

In order to detach the line discipline, **kill**(1) the **ldattach** process.

With no arguments, **ldattach** prints usage information.

LINE DISCIPLINES

Depending on the kernel release, the following line disciplines are supported:

TTY(**0**)
: The default line discipline, providing transparent operation (raw mode) as well as the habitual terminal line editing capabilities (cooked mode).

SLIP(**1**)
: Serial Line IP (SLIP) protocol processor for transmitting TCP/IP packets over serial lines.

MOUSE(**2**)
: Device driver for RS232 connected pointing devices (serial mice).

PPP(**3**) Point to Point Protocol (PPP) processor for transmitting network packets over serial lines.

STRIP(**4**)

AX25(**5**)

X25(**6**) Line driver for transmitting X.25 packets over asynchronous serial lines.

6PACK(**7**)

R3964(**9**)
: Driver for Simatic R3964 module.

IRDA(**11**)
: Linux IrDa (infrared data transmission) driver - see http://irda.sourceforge.net/

HDLC(**13**)
: Synchronous HDLC driver.

SYNC_PPP(**14**)
: Synchronous PPP driver.

HCI(**15**)
: Bluetooth HCI UART driver.

GIGASET_M101(**16**)
: Driver for Siemens Gigaset M101 serial DECT adapter.

PPS(**18**)
: Driver for serial line Pulse Per Second (PPS) source.

GSM0710(**21**)
: Driver for GSM 07.10 multiplexing protocol modem (CMUX).

OPTIONS

−1, **−−onestopbit**
Set the number of stop bits of the serial line to one.

−2, **−−twostopbits**
Set the number of stop bits of the serial line to two.

−7, **−−sevenbits**
Set the character size of the serial line to 7 bits.

−8, **−−eightbits**
Set the character size of the serial line to 8 bits.

−d, **−−debug**
Keep **ldattach** in the foreground so that it can be interrupted or debugged, and to print verbose messages about its progress to standard error output.

−e, **−−evenparity**
Set the parity of the serial line to even.

-i, **--iflag** [**−**]*value*...
Set the specified bits in the c_iflag word of the serial line. The given *value* may be a number or a symbolic name. If *value* is prefixed by a minus sign, the specified bits are cleared instead. Several comma-separated values may be given in order to set and clear multiple bits.

−n, **−−noparity**
Set the parity of the serial line to none.

−o, **−−oddparity**
Set the parity of the serial line to odd.

−s, **−−speed** *value*
Set the speed (the baud rate) of the serial line to the specified *value*.

−c, **−−intro−command** *string*
Define an intro command that is sent through the serial line before the invocation of ldattach. E.g. in conjunction with line discipline GSM0710, the command ´AT+CMUX=0\r´ is commonly suitable to switch the modem into the CMUX mode.

−p, **−−pause** *value*
Sleep for *value* seconds before the invocation of ldattach. Default is one second.

−V, **−−version**
Display version information and exit.

−h, **−−help**
Display help text and exit.

SEE ALSO

inputattach(1), **ttys**(4)

AUTHOR

Tilman Schmidt (tilman@imap.cc)

AVAILABILITY

The ldattach command is part of the util-linux package and is available from https://www.kernel.org/pub/linux/utils/util-linux/.