

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.

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*.
- 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 <ftp://ftp.kernel.org/pub/linux/utils/util-linux/>.