

# TTYREDIRECTOR FOR LINUX

## VERSION 4.0

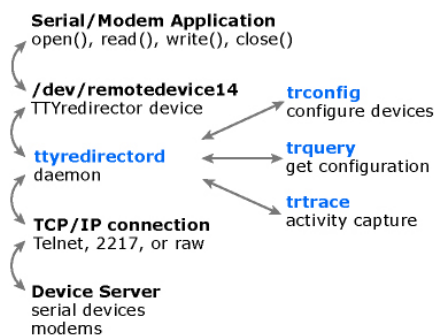
**TTYredirector** from Tactical Software is a commercially available and supported serial port redirector for the Linux operating system that brings Tactical's field-proven redirector technology to applications that use networked serial devices or modems.

TTYredirector provides a configurable daemon that relays pseudo TTY (pty) data to device servers on TCP/IP networks. Applications can continue to use tty devices while avoiding the distance and physical limitations of locally attached serial devices and modems.

TTYredirector is compatible with numerous TCP/IP-based serial servers and modem servers, from single-port serial/Ethernet adapters to large-scale servers with hundreds of devices.

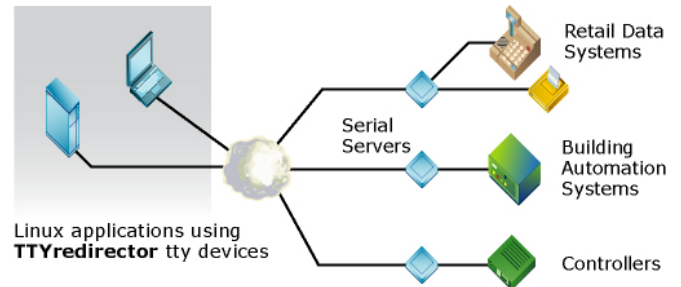
### TTYREDIRECTOR BASICS

- ▶ *trconfig* and *trquery* commands change and display the device names and settings used by TTYredirector.
- ▶ The *ttyredirectord* daemon establishes a TCP/IP connection to a specified networked serial device or modem when a TTYredirector device is opened.
- ▶ If the device server supports the COM Port Control protocol, *ttyredirectord* automatically uses its advanced features to initialize the remote device and improve connection control.
- ▶ *trtrace* captures diagnostic-level data to *stdout* or file.



### SUPPORTED PLATFORMS

- Linux x86 on 32-bit or 64-bit Intel-compatible PC, including Red Hat Enterprise Linux, Fedora Core, SUSE, Debian
- Unix98 pty driver (included in Linux by default)



### SERVER & APPLICATION COMPATIBILITY

- User-defined device names, automatically linked to pseudo-tty devices
- Server connections with raw TCP/IP, Telnet, or enhanced Telnet (RFC 2127) protocols
- Automatic login with configurable server prompt strings
- Baud-rate limiting to enforce a specified data rate from TTYredirector to a remote device
- Port close delay for port hand-off applications
- Nagle algorithm control to reduce latency for short transmissions and for faster recovery from packet loss
- Server synchronization to prevents data flow until connection to server is fully negotiated
- Automatic reconnect to server if the network connection is interrupted and restored

### COM PORT CONTROL FEATURES

- Automatically negotiated if device server supports Telnet protocol with RFC 2217 options
- Initializes remote port baud rate, framing, parity, flow control, and DTR/RTS state
- Regulates flow of data to/from device server with network-level flow control
- Employs keep-alive mechanism for faster detection of failed network connections to the device server

### WWW.TTYREDIRECTOR.COM

- One source for downloads and support
- RPM and shell installation kits
- TTYredirector User Guide
- Support information & FAQ
- Technical notes and application info
- Compatibility guide for serial servers and modem pools