# *COMPROTware:Testtool* - Linux installation sheet

***COMPROTware:Testtool*** is an integrated test and analysis tool for telecontrol protocols. ***COMPROTware:Testtool*** (abbrev. "***CPTT***") monitors telecontrol protocol communication on serial line and on network and simulates master or slave station.

Document version: `<$Version: 34$>`

## Download

Download ***COMPROTware:Testtool*** from ***Real Thoughts***-website:

- ***COMPROTware:Testtool*** for Debian/Ubuntu 64 Bit:
  https://realthoughts.com/cptt/download/cptt_2.26.2_amd64.deb
- ***COMPROTware:Testtool*** for Suse/Redhat 64 Bit:
  https://realthoughts.com/cptt/download/cptt-2.26.2-1.x86_64.rpm

Download WibuKey Runtime from ***Real Thoughts***-website:

- WibuKey Runtime for Debian/Ubuntu 64 Bit:
  https://realthoughts.com/cptt/download/wkrt-lin_6.70.6536.500_amd64.deb
- WibuKey Runtime for Suse/Redhat 64 Bit:
  https://realthoughts.com/cptt/download/WkRt-Lin-6.70.6536-500.x86_64.rpm

## Prepare

Download and install:

- Java, e.g. OpenJDK. CAUTION: GNU Java/Classpath is NOT supported.
- libpcap-dev

List installed packages by:

- On Debian/Ubuntu: `$ dpkg -l | grep <packagename>`
- On Suse/Redhat: `$ rpm -qa | grep <packagename>`

Uninstall old packages by:

- On Debian/Ubuntu: `$ sudo dpkg -r <packagename>`
- On Suse/Redhat: `$ sudo rpm -ev <packagename>`

Install downloaded WibuKey Runtime:

- On Debian/Ubuntu 64 Bit: `$ sudo dpkg -i wkrt-lin_6.70.6536.500_amd64.deb`
- On Suse/Redhat 64 Bit: `$ sudo rpm -ivhp WkRt-Lin-6.70.6536-500.x86_64.rpm`

## Install *CPTT*

(If there are dependencies which cannot be resolved: Use rpm with option –nodpes)

- On Debian/Ubuntu 64 Bit: `$ sudo dpkg -i cptt_2.25.6_amd64.deb`
- On Suse/Redhat 64 Bit: `$ sudo rpm -ivhp cptt-2.25.6-1.x86_64.rpm`

### If you get a linker error for libpcap

- Search for libpcap.so: `$ find /usr -name "libpcap.so*"`
- If libpcap.so cannot be found: Install it
- If libpcap.so was found: Create a symbolic link for libpcap.so.1

## Put *CPTT* in your search path $PATH

Put the path /opt/realthoughts/bin in your search path $PATH:

```
$ export PATH=/opt/realthoughts/bin:$PATH
```

## Serial ports

To access the serial ports, add your user to groups tty and/or dialout:

```
$ sudo usermod -a -g tty,dialout <user>
```

## Start *CPTT*

Start CPTT with: `$ CPTT-Gui`

## Contact

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