Hi,

in RTL-SDR library PKG information is broken. I installed rtl-sdr from source on alpine linux.


I ran following:

git clone git://git.osmocom.org/rtl-sdr.git &&
    cd rtl-sdr/ &&
    mkdir build &&
    cd build &&
    cmake ../ -DINSTALL_UDEV_RULES=ON &&
    make -Wno-dev &&
    make install &&
    ldconfig /etc/ld.so.conf &&
    cp ../rtl-sdr.rules /etc/udev/rules.d/ 

From source librtlsdr.pc.in looks like

prefix=prefix
exec_prefix=exec_prefix
libdir=libdir
includedir=includedir

Name: RTL-SDR Library
Description: C Utility Library
Version: VERSION
Cflags: -I${includedir}/
Libs: -L${libdir} -lrtlsdr
Libs.private: -lusb-1.0 RTLSDR_PC_LIBS

But just before install librtlsdr.pc looks like:

prefix=
exec_prefix=
libdir=
includedir=

Name: RTL-SDR Library
Description: C Utility Library
Version: 0.6.0-25-gd794
Cflags: -I${includedir}/
Libs: -L${libdir} -lrtlsdr
Libs.private: -lusb-1.0

As you can see top variables are not set, but they should be. This breaks git clone https://github.com/viraptor/kalibrate-rtl.git package since it can't detect LIBRTLSDR, because above variables are missing:

configure: error: Package requirements (librtlsdr) were not met:

Package 'librtlsdr', required by 'virtual:world', not found

Consider adjusting the PKG_CONFIG_PATH environment variable if you installed software in a non-standard prefix.

Alternatively, you may set the environment variables LIBRTLSDR_CFLAGS

05/16/2020
and LIBRTLSDR_LIBS to avoid the need to call pkg-config. See the pkg-config man page for more details.

So, after some research problem is in CMakeList.txt somewhere near:

```
CONFIGURE_FILE(

${CMAKE_CURRENT_SOURCE_DIR}/librtlsdr.pc.in

${CMAKE_CURRENT_BINARY_DIR}/librtlsdr.pc

@ONLY)
```


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### History

#### #1 - 04/26/2020 03:21 PM - slocomptech

Issue fixed if running like

```
cd /tmp && 
get clone git://git.osmocom.org/rtl-sdr.git && 

cd rtl-sdr & & 

cd build & & 

cmake .. / -DINSTALL_UDEV_RULES=ON -DCMAKE_INSTALL_PREFIX=PATH=/usr -DCMAKE_INSTALL_LIBDIR=PATH=lib & & 

sed -i 's/^prefix=.*/prefix=/usr/g' librtlsdr.pc & & 

sed -i 's/^exec_prefix=.*/exec_prefix=$\{prefix\}/g' librtlsdr.pc & & 

sed -i 's/^libdir=.*/libdir=$\{exec_prefix\}/lib/g' librtlsdr.pc & & 

sed -i 's/^includedir=.*/includedir=$\{prefix\}/include/g' librtlsdr.pc & & 

make -Wno-dev & & 
make install & & 
make install & & 
ldconfig /etc/ld.so.conf & & 

cp ../rtl-sdr.rules /etc/udev/rules.d/ 
```