

rtl-sdr - Bug #4513

PKG information broken

04/26/2020 03:02 PM - slocomptech

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| Status: | New | Start date: | 04/26/2020 |
| Priority: | Normal | Due date: | |
| Assignee: | | % Done: | 0% |
| Category: | | | |
| Target version: | | | |
| Spec Reference: | | | |
| Description | | | |
| <p>Hi, in RTL-SDR library PKG information is broken. I installed rtl-sdr from source on alpine linux. I installed it via install instruction for cmake on https://osmocom.org/projects/rtl-sdr/wiki/Rtl-sdr.</p> <p>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/</p> <p>From source librtlsdr.pc.in looks like prefix=prefix exec_prefix=exec_prefix libdir=libdir includedir=includedir</p> <p>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</p> <p>But just before install librtlsdr.pc looks like: prefix= exec_prefix= libdir= includedir=</p> <p>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</p> <p>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:</p> <p>Package 'librtlsdr', required by 'virtual:world', not found</p> <p>Consider adjusting the PKG_CONFIG_PATH environment variable if you installed software in a non-standard prefix.</p> | | | |

Alternatively, you may set the environment variables LIBRTLSDR_CFLAGS 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)

Please also look at <https://github.com/viraptor/kalibrate-rtl/issues/13>.

History

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

Issue fixed if running like

```
cd /tmp && \  
git clone git://git.osmocom.org/rtl-sdr.git && \  
cd rtl-sdr/ && \  
mkdir build && \  
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 && \  
ldconfig /etc/ld.so.conf && \  
cp ../rtl-sdr.rules /etc/udev/rules.d/
```