<http://www.cruisersforum.com/forums/archive/index.php/t-190654.html>

Woodland Hills

31-03-2018, 09:08

apparently file attacment did not work. so here is a past of contents:  
  
  
===================================================================  
1. OpenCPN build and install  
===================================================================  
  
Install all Debian packages needed to build an run OpenCPN (and opional plugins mentioned below)  
  
apt update && apt upgrade  
apt install `cat package\_list.txt`  
  
where the contents of the file pacage\_list.txt must be as follows :  
  
git  
cmake  
libc6  
libc6-dev  
build-essential  
libgl1-mesa-dev  
libgl1-mesa-dri   
libgl1-mesa-glx  
libglapi-mesa  
libglu1-mesa  
libglu1-mesa-dev  
freeglut3  
freeglut3-dev  
libwxgtk3.0-0v5  
libwxgtk3.0-dev  
libtinyxml2.6.2v5  
libtinyxml2-dev  
libtinyxml-dev  
libcurl3  
libcurl3-dev  
libcairo2  
libcairo2-dev  
libpango1.0-dev  
libgdk-pixbuf2.0-dev  
libgtk2.0-dev  
lbzip2  
libghc-bzlib-dev  
libelf-dev  
liblzma-dev  
wx3.0-i18n  
wx3.0-headers  
zlib1g  
zlib1g-dev  
libportaudio2  
portaudio19-dev  
  
Download latest OpenCPN source code:  
  
cd ~/Downloads  
git clone https://github.com/OpenCPN/OpenCPN.git  
cd OpenCPN  
  
change library settings to enable Debian 9 build:  
  
edit CMakeLists.txt   
replace libwxgtk3.0-0 with libwxgtk3.0-0v5   
replace libtinyxml2.6.2 with libtinyxml2.6.2v5  
  
Download a high-resolution set of world wide background maps from the following link: https://opencpn.org/wiki/dokuwiki/lib/exe/fetch.php?media=opencpn:files:charts:gshhshires.zi p, and extract the files to ~/Downloads/OpenCPN/data/gshhs )  
  
cd ~/Downloads/OpenCPN  
  
mkdir build  
cd build  
  
cmake ../  
  
check for error messages and install any missing packages not included in the list above  
  
edit CMakeCache.txt to make the following changes:  
  
replace BUNDLE\_DOCS:BOOL=OFF with BUNDLE\_DOCS:BOOL=ON (include documentation in build)  
  
replace BUNDLE\_GSHHS:STRING=NONE with BUNDLE\_GSHHS:STRING=FULL (this will include the hi-res background maps downloaded above in the build. If maps are unavailable the build will fail)  
  
replace CMAKE\_INSTALL\_PREFIX:PATH=/usr/local with CMAKE\_INSTALL\_PREFIX:PATH=/usr ( this is needed to work properly with 3rd-party plugins such as s63\_pi, oesenc\_pi, and some utilities without various soft links. )  
  
Compile and build OpenCPN resulting in Debian package opencpn.deb :  
  
make -j2 package (-j2 option uses two compile threads to speed up the build)  
  
sudo dpgk --install opencpn.deb  
  
================================================== =======  
2. Build and install chart plugin for oeSENC O-Charts  
================================================== =======  
  
If not done so, install the packages mentioned above under OpenCPN build  
  
Download latest version of source code:  
  
cd ~/Downloads  
  
git clone https://github.com/bdbcat/oesenc\_pi.git  
  
Compile and build Debian package oesenc\_pi\_1.2.0-1\_amd64.deb :  
  
cd oesenc\_pi  
mkdir build  
cd build  
cmake ../ (check error messages)  
make -j2 package  
  
Install package :  
  
dpkg --install oesenc\_pi\_1.2.0-1\_amd64.deb  
  
================================================== ==============  
2. Build and install chart plugin for S63 Encrypted ENC Charts  
================================================== ==============  
  
If not done so, install the packages mentioned above under OpenCPN build  
  
Download latest version of source code:  
  
cd ~/Downloads  
  
git clone https://github.com/bdbcat/s63\_pi.git  
  
Compile and build Debian package oesenc\_pi\_1.2.0-1\_amd64.deb :  
  
cd os63\_pi  
mkdir build  
cd build  
cmake ../ (check error messages)  
make -j2 package  
  
Install package :  
  
dpkg --install s63\_pi\_1.6.0-1\_amd64.deb  
  
  
Well, that sounds simple......

CapnRon47

31-03-2018, 09:34

I used this process to add the Tactics Plugin to OpenCPN on my Rpi (running Jessie) and it worked well. **See my write up in the Tactics thread**.

<http://www.cruisersforum.com/forums/archive/index.php/t-154277.html>

tom\_BigSpeedy

24-05-2016, 02:14

Hi there,  
  
here is a first shot of my tactics\_pi plugin ...

<http://www.cruisersforum.com/forums/showthread.php?p=2761884#post2761884>

