APDCAM 1G Linux API Development Work Log

**2014.12.13.**

* Searching for suitable IDEs. CodeLite and Eclipse CDT looks suitbale for Linux development

**2015.01.16.**

* Installed CentOS 7.0 on a lab PC
* Installed Qt5.4 as well
* Created APDlib shared library project as well

**2015.01.19.**

* svn project checked out from beam and rsa key was generated on beam
  + ssh-keygen
  + ssh-copy-id [szabolics@beam.rmki.kfki.hu](mailto:szabolics@beam.rmki.kfki.hu)
  + svn co svn+ssh://szabolics@beam.rmki.kfki.hu/home/svn/APDCAM\_programs\_svn
* transferred old APDCAM\_Linux project to pfolab PC to try it
* added libAPD.so to system library path
  + export LD\_LIBRARY\_PATH=/usr/lib/
  + sudo ldconfig
* successfully performed open, read and close command

**2015.01.20.**

* Created APDTest project, now it has the same functionality as the windows version

**2015.01.22.**

* Upgrading linux version to tha same version as windows version

**2015.01.23.**

* Upgrading linux version to tha same version as windows version

**2015.01.26.**

* Successfully rebuild APDLib on linux with Qt framework
* Try to link with APDTest
* The previous link problem was solved but another came
* The problem was I had to define APD\_VERSION in the project file
* but caplib library which is included by capability.h has the same error

**2015.01.27.**

* I was able to link libcap library to APDTest, just had to add LIBS += -libcap switch to APDTest.pro
* Successfully rebuild APDTest app in debug and release mode as well

**2015.03.10.**

* Had to reinstall development environment on CentOS 6
* Qt installation process was done according to this tutorial:
  + <http://qt-project.org/wiki/How-to-Install-Qt-5-and-Qwt-on-CentOS-6>
* Successfully rebuilt APDLib and APDTest, test measurement was also successful