

Tools

The aim of this section is to help installing, configuring and using the CALICE software. Here are the hosts and addresses we use at the LLR:

- LCIO: see *svn/calice/online-sw/trunk/doc/build-lcio.txt*

```
$ cvs -d :pserver:anonymous@cvs.freehep.org:/cvs/lcio co -d v01-51 -r v01-51 lcio
$ mkdir build          # <-- create an out-of-source directory for the build
$ cd build
$ cmake ..             # check build options ( change options with: cmake -DOPTION=ON|OFF .. or use: co
$ make install
```

- BOOST:

- on Ubuntu: # apt-get install libboost-dev libboost-thread1.40-dev
- on SLC55: gcc no good

```
$ cd /tmp
```

```
$ wget http://ftp.gnu.org/gnu/glibc/glibc-2.6.tar.gz
$ mkdir tmp && cd !$
$ ../configure CFLAGS="-O3 -march=i686" --prefix=...
$ make
```

```
$ wget ftp://gcc.gnu.org/pub/gcc/infrastructure/gmp-4.3.2.tar.bz2
$ ./configure --prefix=...
$ make
$ make check
$ make install
```

```
$ wget ftp://gcc.gnu.org/pub/gcc/infrastructure/mpfr-2.4.2.tar.bz2
$ ./configure --prefix=...
$ make
$ make check
$ make install
```

```
$ wget ftp://mirrors.kernel.org/gnu/gcc/gcc-4.4.3/gcc-4.4.3.tar.gz
$ ./configure --prefix=... -with-gmp=... -with-mpfr=...
$ env LD_LIBRARY_PATH=.../lib make
```

```
$ wget http://sourceforge.net/projects/boost/files/boost/1.29.0/boost_1_29_0.tar.bz2/download
$ tar ...
$ cp boost_1_29_0/boost .../usr/include/.
```

- System C:

```
$ cd /tmp
$ scp calice@polcaldaq:Downloads/pkg/osci/systemc-2.2.0.tgz .
$ scp calice@polcaldaq:Downloads/pkg/osci/TLM-2.0.1.tgz .
$ scp calice@polcaldaq:Downloads/pkg/osci/sc-2.2-intrepid64.diff .
$ tar -zxvf ...
$ less INSTALL
$ mkdir objdir && cd !$
$ mkdir -b ~/stow/osci (todo before configure!)
$ ../configure --prefix=/usr/local/stow/osci
$ patch -p1 < ../sc-2.2-intrepid64.diff
$ make
```

```
# make install
# cd ..
# mv TLM-2009-07-15/ /usr/local/stow/osci/share
# cd /usr/local/stow/
# stow -v osci
```

- ftdidrv:

aptitude install libftdi-dev
- test_usb_dif:

aptitude install libpcrc3-dev