

Boost

1. Download the stdcxx source in some directory $\$(TOPDIR)$:

```
cd /usr/src
svn co http://svn.apache.org/repos/asf/stdcxx/branches/4.2.x stdcxx
```

2. Build stdcxx (11s, 11d, 15s, 15d build types). The $\$(BUILDDIR)$ should be $\$(BUILD_ROOT)/\$(compiler)-\$(compiler-ver)/\$(buildtype)$, where $\$(compiler)$ is one of gcc, icc, sun.

I.e. for gcc 4.2.1, $BUILD_ROOT=/usr/tmp/stdcxx$:

```
cd /usr/src/stdcxx
gmake builddir BUILDDIR=/usr/tmp/stdcxx/gcc-4.2.1/11s BUILDTYPE=11s CONFIG=gcc.config
gmake builddir BUILDDIR=/usr/tmp/stdcxx/gcc-4.2.1/11d BUILDTYPE=11d CONFIG=gcc.config
gmake builddir BUILDDIR=/usr/tmp/stdcxx/gcc-4.2.1/15s BUILDTYPE=15s CONFIG=gcc.config
gmake builddir BUILDDIR=/usr/tmp/stdcxx/gcc-4.2.1/15d BUILDTYPE=15d CONFIG=gcc.config
cd /usr/tmp/stdcxx/gcc-4.2.1/11s/include
gmake
cd ../lib
gmake
cd /usr/tmp/stdcxx/gcc-4.2.1/11d/include
gmake
cd ../lib
gmake
cd /usr/tmp/stdcxx/gcc-4.2.1/15s/include
gmake
cd ../lib
gmake
cd /usr/tmp/stdcxx/gcc-4.2.1/15d/include
gmake
cd ../lib
gmake
```

3. Download [run.py](#) in some directory $\$(BOOST_TEST_ROOT)$

```
mkdir /usr/src/boost_test
cd /usr/src/boost_test
wget http://svn.boost.org/svn/boost/trunk/tools/regression/src/run.py
```

4. Extract in $\$(BOOST_TEST_ROOT)$ the [boost_test.zip](#)

```
wget http://people.apache.org/~faridz/boost_test.zip
unzip boost_test.zip
```

5. Create $\$(compiler)-\$(compiler-ver).patch$ file (from this step for intel compiler the $\$(compiler)=intel$, but not icc), copying from one of gcc-4.2.1.patch, intel-10.1.patch, sun-5.9.patch and updating if needed:

- the compiler version in line "+using $\$(compiler)$: $\$(compiler_ver)_stdcxx_421$;"
- the stdcxx paths in line "+using stdcxx : 4.2.1 : $\$(TOPDIR)$ $\$(BUILD_ROOT)$;"

6. Update runtests.sh changing the --runner= option to personal runner id.

7. Run tests for specified compiler $./runtests.sh \$(compiler)-\$(compiler-ver)$

```
./runtests.sh gcc-4.2.1
```