Steps to follow towards installing both the DTN2 and the HBSD external Router packages

Installing Berkeley DB

Download the DB package from:

http://www.linuxfromscratch.org/blfs/view/svn/server/db.html

Extract then build it (more details are explained in the link above),

cd build_unix &&
../dist/configure --prefix=$HOME --enable-test --enable-tcl
--with-tclconfig=[Path to tcl libs] && make

Installing Xerces-c-2.8

Download the Xerces-c2.8 package from:

http://xerces.apache.org/xerces-c/

Before doing the build, you must first set your environment variables to pick-up the compiler and also specify where you extracted Xerces-C++ on your machine. While the first one is probably set for you by the system administrator, just make sure you can invoke the compiler. You may do so by typing the compiler invocation command without any parameters (e.g. xlc_r, or g++, or cc) and check if you get a proper response back.

Next set your Xerces-C++ root path as follows:

export XERCESCROOT=[Your Home Directory]/xerces-c-src_2_8_0

This should be the full path of the directory where you extracted Xerces-C++. Note that this path should not have any spaces in it or the build process will fail. The only UNIX environments where this is likely to occur in are MinGW and Cygwin as the home directories are by default '/home/User Name' and '/cygdrive/c/Documents and Settings/' respectively. On Windows user names can, and often do, contain spaces.

cd src/xercesc
./runConfigure -plinux -cgcc -xg++ -P$HOME

make; make install

Installing Oasys

Download the Oasys package from:

http://dtn.hg.sourceforge.net/hgweb/dtn/oasys

We suppose that there is an already DB (Berkeley Database) installed.

```
run

./configure --prefix=$HOME --with-xerces-c=/home/amir/include --exec-
prefix=$HOME --with-tcl=[path to tcl libs] --with-dbver=4.8 --with-db=[path to
Berkeley DB libs]

make

make install
```

Installing DTN2

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Download the DTN2 package from:
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http://www.dtnrg.org/wiki/Code

```
Extract it then run:

./configure -C --prefix=$HOME

make

make install

All the details regarding the DTN2 platform can be found at:
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http://dtn.sourceforge.net/DTN2/doc/manual/index.html

Installing the HBSD external Router

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Download the HBSD External Router package from:
```
http://planete.inria.fr/HBSD_DTN2

```
Extract the package then run:

make

make install
```

Need more help?

Please drop an email if you find any problem within the steps described above.
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