

# Xrootd Client Tools

## Applications

The release contains a full xrootd releases and a few other tools. The applications of interest are:

name	Description
<a href="#">xrdcp</a>	transfer files from and to xrootd
<a href="#">xrdfs</a>	list directory on all the xrootd servers
<a href="#">xrdprel</a>	run a program under the xrootd preload library (useful for reading fits files)
<a href="#">xrd.pl</a>	command line tool to issue commands to xrootd like, stat a file, checksum a file,...

One thing to notice about all the applications is that they are links to a wrapper script. The wrapper script sets the proper environment so that the xrootd authorization libs are found and then runs the proper executable.

## Location of the Xrootd Client tools

The glast xrootd client tools are available in the xrootd afs application area:

```
/afs/slac.stanford.edu/g/glast/applications/xrootd/<RELEASE>
```

Where <RELEASE> is one of the following names:

RELEASE	Comment
PROD	production version. Updates will be announced and require a CCB
DEV	development version. Updates will not be announced, but this release has been tested
TEST	experimental version which might not always be working
FITS	test release to read fits files from xrootd. (Will disappear at some moment)

Each of the release contains a bin directory for the executables and a lib for the xrootd libraries.

No environment variables have to be set as the application do this by them self. For example to copy a file from xrootd one would run the command:

```
/afs/slac/g/glast/applications/xrootd/PROD/bin/xrdcp root://glst-rdr/... localfile
```

Using applications from a different location, e.g.: `/usr/local/bin/xrdcp`, will most likely not work as they are not able to load the xrootd security libraries.