

xrd.pl

xrd.pl the Xrootd client admin interface

xrd.pl is a command line tool that allows a user to query xrootd in order to stat, remove or checksum a file. For a full listing of the supported commands see the description below or run `xrd.pl -h` to get a help print out.

Usage:

```
xrd.pl [OPTIONS] [ACTION] [filename|xrootdurl]
```

Options:

```
--debug dbgLvl  set set debug level for xrootd communication.
--verbose       be verbose.
--server XrdSrv  Xrootd server to connect to.
--where         print the xrd server name after the last command has been executed.
--help          print this help.
```

Action:

```
stat <fname>      stat a file
```

```
checksum <fname>  checksum a file. A stat is issued before the checksum.
checksumonly <fname> issue only a checksum cmd no stat. works only against a data server
```

```
rm <fname>        remove Fname (ES: 0 = success, 1 = failure)
mv <Src> <Trg>    move a file within a data server from src to trg
```

```
dir <dirname>     list a directory. Has to run against data server.
```

filename|xrootdurl

There are two ways to specify the xrootd file name.

1. using the `--server (-s)` options

The xrootd server is specified using the `--server` option (`-s` also works) and the file name is the logical xrootd file name, e.g.:

```
xrd.pl -s glast-rdr stat /glast/mc/testfile
```

2. specify the full xrootd url:

```
xrd.pl stat root://glast-rdr//glast/mc/testfile
```

Examples:

(The annoying version line of `XrdClientAdmin` has been omitted)

```
xrd.pl -s glast-rdr stat /glast/wilko/f1
size 37 onDisk 1 flags 48 modTime 1178659009 Tue May 8 14:16:49 2007 /glast/wilko/f1
```

```
xrd.pl -s glast-rdr -w stat /glast/wilko/f1
size 37 onDisk 1 flags 48 modTime 1178659009 Tue May 8 14:16:49 2007 /glast/wilko/f1
currentHost silky02.slac.stanford.edu
```

```
xrd.pl -s glast-rdr checksum /glast/wilko/f1
checksum 3146320528 size 37 CRC crc32 /glast/wilko/f1
```

```
xrd.pl dir root://sulky47//glast/mc
DC2
ServiceChallenge
junk
```