

Storage Element

To access the Storage Element you need a valid grid certificate, following for example this [guide](#) (for INFN users).

Then to use [SRM](#) you need also to be registered to the [muoncoll.infn.it](#) vo. If not register [here](#).

A page to monitor space usage can be found [here](#)

The SE endpoint is: **storm-fe-archive.cr.cnaf.infn.it:8444** The reserver area is: **storm-fe-archive.cr.cnaf.infn.it:8444/muoncoll**

Gfal utils

As example you can use the *gfal utils* to interact with it; most used commands are:

- `gfal-ls`: List information about the files
- `gfal-xattr`: Display attributes of a file or set them to a new value
- `gfal-cat`: Concatenate file to standard output
- `gfal-mkdir`: Create the DIRECTORY(ies), if they do not already exist
- `gfal-copy`: Copy files
- `gfal-stat`: Display extended information about a file or directory
- `gfal-chmod`: Change the permissions of a file
- `gfal-rename`: Renames SOURCE to DESTINATION
- `gfal-sum`: Calculates the checksum of the specified file, using a specified checksum algorithm
- `gfal-rm`: Removes each specified file or directory
- `gfal-save`: Reads from stdin and writes to a file until it finds EOF

Some examples:

```
gfal-ls srm://storm-fe-archive.cr.cnaf.infn.it:8444/muoncoll
```

```
gfal-copy <file.name> srm://storm-fe-archive.cr.cnaf.infn.it:8444/muoncoll/
```

```
gfal-rm srm://storm-fe-archive.cr.cnaf.infn.it:8444/muoncoll/<file.name>
```

To install a basic UI see [here](#)



More details and ways to reach it can be found [here](#)