

egrid-mkdirhier

Make a directory tree conforming to EGRID RFC 2

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NAME

egrid-mkdirhier – Make a directory tree conforming to EGRID RFC 2

SYNOPSIS

egrid-mkdirhier --type {R|D|P|U} [OPTIONS] DIRNAME [DIRNAME ...]

Options:

-A, --args-from *FILE*

Read additional non-option command-line arguments from *FILE*; only non-option arguments can be read this way.

-C, --chdir *DIR*

cd to *DIR* first.

--help

Print help text and exit.

-k, --keep-going

Don't stop at errors in shell commands.

-L, --lfc

Run (or print) commands to create the tree in the LFC catalog namespace instead of local filesystem.

-p, --print

Print shell commands that build tree, instead of executing them.

-t, --type

Which kind of directory tree to build. (*Mandatory.*)

-V, --version

Print version number and exit.

DESCRIPTION

egrid-mkdirhier makes all directories specified on the command line; makes subdirectories and sets permissions and ownerships according to EGRID RFC 2 <http://www.egrid.it/sysadm/rfc/2> .

What *exactly* is created depends on the argument following `--type`.

TYPE CODES

The one-letter argument to `--type` can be one of the following:

R

Make the root directory of the EGRID storage area.

D

Make a ``raw & ascii" data directory; assumes groups *DIRNAME-ro* and *DIRNAME-rw* exist, which are given ownerships of subdirectories of *DIRNAME*, according to EGRID RFC 2 <http://www.egrid.it/sysadm/rfc/2> .

P

Make a ``project data" directory; assumes a group *DIRNAME* exists, which is given ownership of the directory.

U

Make a ``user data" directory; assumes *DIRNAME* is also a user and a group name.

For details on what exactly is built in each tree, how ownerships and permissions are set, and a rationale of all this, please see EGRID RFC 2 <http://www.egrid.it/sysadm/rfc/2> .

BUGS

Tries to set ownership according to directory *name*, and the map between directory names and user names is the trivial one: e.g. for a directory of type `U` it assumes *directory name* == *user name*. There is currently no way of specifying a different map.

When using `--print`, it may output the wrong ownership and permissions for directories whose parent would have been created by *egrid-mkdirhier*.

The use of this tool is very limited as it cannot parse a config file: the only way to change the structure and permissions of created directories is through hacking of the source code.

The `--verbose` option does not yet report more information.

DOWNLOAD

You can download RPM packages of the EGRID SE Tools from <http://www.egrid.it/download/rpm/RPMS.egrid>; Debian packages from <http://www.egrid.it/download/deb/egrid>.

You can browse the source code for this software from the EGRID CVS at <http://www.egrid.it/cvs/middleware/se/>

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