

# egrid-copy-dirhier

Replicate directory structure

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## NAME

egrid-copy-dirhier – Replicate directory structure

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## SYNOPSIS

egrid-copy-dirhier [OPTIONS] [FILE ...]

Replicate a directory structure as read from the output of *find ... -type d -printf '%u:%g:%m:%p'*

Options:

**-P, --root-dir DIR**

Only make directories that start with *DIR* prefix in input file.

**-u, --default-user USER**

Make directories owned by user *USER* if the remote user name does not exist in local database.  
Defaults to the *effective* User ID.

**-g, --default-group GROUP**

Make directories owned by group *GROUP* if the remote group name does not exist in local database.  
Defaults to the *effective* Group ID.

**-x, --exclude PATTERN**

Ignore directories whose complete path matches regular expression *PATTERN*.

**--print**

Do not alter filesystem, instead, print commands that would be executed.

**-A, --args-from FILE**

Read additional command-line arguments from *FILE* as if they were typed on the command-line.

**--help**

Print help text and exit

**-V, --version**

Print version number and exit

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## DESCRIPTION

The command *egrid-copy-dirhier* expects as input a file containing lines having the form:

```
I<user>:I<group>:I<mode>:I<pathname>
```

(that is, like the output of `find ... -type d -printf '%u:%g:%m:%p'`) and will then replicate the whole directory structure, making directories and changing ownership and permissions as needed. Blank lines and lines starting with '#' are silently ignored.

If no file is specified on the command line, will read standard input.

If run by a non-privileged user, will exit with error if some group appears in output, which does not contain the user as a member.

If no allowable path-names are specified via the `--root-dir` option, then allow any path-name, that is, make directories anywhere on the file system.

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## BUGS

The ought to be a way to specify what to preserve, or what error conditions are considered fatal.

Very inefficient: makes directories one by one, instead of building a list and compacting filesystem access operations in one big run.

The `--verbose` option does not yet report very much information.

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## 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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