

**NAME**

**gtransfer** – The GridFTP transfer script

**SYNOPSIS**

```
{gtransfer|gt} --source|-s sourceUrl --destination|-d destinationUrl [--verbose|-v] [--metric|-m dataPathMetric] [--logfile|-l logfile] [--auto-clean|-a] [--configfile configurationFile] [-- gsiftpParameters]
```

**DESCRIPTION**

**gtransfer** is a wrapper script for **tgftp** that supports (GridFTP) transfers along predefined paths by using transit sites. Additionally it supports usage of default parameters for specific connections. Therefore this tool is also helpful for direct transfers.

**OPTIONS**

There's bash completion available for **gtransfer**. This supports completion of options and URLs. URL completion also expands (remote) paths. Just hit the <TAB> key to see what's possible.

The options are as follows:

**--source|-s** *sourceUrl*

Set the source URL for the transfer.

Possible URL examples:

```
{[gsi]ftp|http}://FQDN[:PORT]/path/to/file
```

```
[file:///]/path/to/file
```

"FQDN" is the fully qualified domain name.

**--destination|-d** *destinationUrl*

Set the destination URL for the transfer.

Possible URL examples:

```
[gsi]ftp://FQDN[:PORT]/path/to/file
```

```
[file:///]/path/to/file
```

"FQDN" is the fully qualified domain name.

**[-verbose|-v]**

Be verbose.

**[-metric|-m** *dataPathMetric*]

Set the metric to select the corresponding data path.

**[-logfile|-l** *logfile*]

Set the name for the logfile, **tgftp** will generate for each transfer. If specified with ".log" as extension, **gtransfer** will insert a "\_\_step\_#" string to the name of the logfile ("#" is the number of the transfer step performed). If omitted **gtransfer** will automatically generate a name for the logfile(s).

**[--auto-clean|-a]**

Remove logfiles automatically after the transfer completed.

**[--configfile *configurationFile*]**

Set the name of the configuration file for **gtransfer**. If not set, this defaults to:

*/opt/gtransfer/etc/gtransfer.conf* or

*/etc/gtransfer/gtransfer.conf* or

*\$HOME/.gtransfer/gtransfer.conf* in this order.

**[-- *gsiftpParameters*]**

Set the "globus-url-copy" parameters that should be used for all transfer steps. Notice the space between "--" and the actual parameters. This overwrites any available default parameters and is not recommended for regular usage. There exists one exception for "-len" or "-partial-length". If one of these is provided, it will only be added to the default parameters for a connection or - if no default parameters are available - to the builtin default parameters.

**NOTICE:** If specified, this option must be the last one in a **gtransfer** command line.

**General options:**

**[--help]** Prints out a help message.

**[--version|-V]**

Prints out version information.

**FILES**

*[...]/gtransfer.conf*

The **gtransfer** configuration file.

*/opt/gtransfer/etc/dpaths/*

This directory contains the system's default dpaths usable by **gtransfer** and is configurable.

*/opt/gtransfer/etc/dparams/*

This directory contains the system's default dparams usable by **gtransfer** and is configurable.

*\$HOME/.gtransfer/dpaths/*

This directory contains the dpaths usable by **gtransfer**. Can be created with **dpath**. If existing, dpaths in this directory have precedence.

*\$HOME/.gtransfer/dparams/*

This directory contains the dparams usable by **gtransfer**. Can be created with **dparam**. If existing, dparams in this directory have precedence.

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**SEE ALSO****dpath(1), dparam(1), tgftp(1), uberftp(1C)**