

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 pre-optimized 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:

/etc/gtransfer/gtransfer.conf or

<INSTALL_PATH>/etc/gtransfer.conf or

/etc/opt/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.

[...]/dpaths/

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

[...]/dparams/

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

\$HOME/.gtransfer/dpaths/

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

\$HOME/.gtransfer/dparams/

This directory contains the user 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)