

NAME

dparam – The dparam helper script

SYNOPSIS

dparam --create|-c [/path/to/files] [--automatic] --source|-s *gsiftpSourceUrl* --destination|-d *gsiftpDestinationUrl* --alias|-a *alias* [--configfile *configurationFile*]

dparam --list|-l [/path/to/files] [--verbose|-v] [--configfile *configurationFile*]

dparam --retrieve|-r [/path/to/files] [--quiet|-q] [--configfile *configurationFile*]

DESCRIPTION

dparam is a helper script for **gtransfer** to support users in creating dparams, listing available dparams and retrieve the latest dparams from a preconfigured repository.

MODES

dparam has several modes of operation:

CREATE Creates a dparam file and a link to it named after the *alias* that is specified by the user.

LIST Lists all available dparams files.

RETRIEVE

Retrieve the latest dparams available. In this mode **dparam** updates the local dparams with data available from a preconfigured repository.

OPTIONS

The options are as follows:

CREATE Mode:

--create|-c [/path/to/files] [--automatic]

Create a new default param either in the user-provided path or - if no additional path is given - in the user dparams directory:

\$HOME/.gtransfer/dparams

If **--automatic** is provided, **tgftp** auto-tuning will be used to determine the default param.

--source|-s *gsiftpSourceUrl*

Set the source URL for the dparam without any path portion at the end.

Example:

gsiftp://saturn.milkyway.universe:2811

--destination|-d *gsiftpDestinationUrl*

Set the destination URL for the dparam without any path portion at the end.

Example:

gsiftp://pluto.milkyway.universe:2811

--alias|-a *alias*

Set the alias for the created default param. **dparam** will create a link named "alias" to the dparam file which name is the SHA1 hash of the source destination combination.

NOTICE: Naming of the aliases is not restricted, but one's encouraged to use something like the following:

```
{ {site|organization} _ {resource|hostName|FQDN} |Local } --to-- {site|organization} _ {resource|host-
Name|FQDN }
```

LIST Mode:

--list|-l [*/path/to/files*] [**--verbose|-v**]

List all dparams available in the user-provided path or - if no additional path is given - in the user and system dparams directories.

RETRIEVE Mode:

--retrieve|-r [*/path/to/files*] [**--quiet|-q**]

Retrieve the latest dparams available on a preconfigured repository and store them in the user-provided path or - if no additional path is given - in the user dparams directory. If a "--quiet|-q" is provided, then output is omitted and success/failure is only reported by the exit value.

General options:

[--configfile *configurationFile*]

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

/etc/gtransfer/dparam.conf or

<GTRANSFER_BASE_PATH>/etc/dparam.conf or

/etc/opt/gtransfer/dparam.conf or

\$HOME/.gtransfer/dparam.conf or

\$(dirname \$BASH_SOURCE)/../etc in this order.

[--help]

Prints out a help message.

[--version|-V]

Prints out version information.

FILES

[...]/dparam.conf

The **dparam** configuration file.

[...]/dparams/

This dir contains the system dparams usable by **gtransfer** and is configurable. Can be created with **dparam**.

\$HOME/.gtransfer/dparams/

This dir contains the user dparams usable by **gtransfer**. Can be created with **dparam**.

AUTHOR

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SEE ALSO

dpath(1), **sha1sum(1)**, **tgftp(1)**, **gtransfer(1)**