

NAME

dparam – The default param 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 default params, listing available default params and retrieve the latest default params from the **gtransfer** home.

MODES

dparam has several modes of operation:

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

LIST Lists all available default parameter files.

RETRIEVE

Retrieve the latest default parameters available. In this mode **dparam** updates the local default parameters with data available from the 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 default directory for default params in:

\$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 default param without any path portion at the end.

Example:

gsiftp://saturn.milkyway.universe:2811

--destination|-d *gsiftpDestinationUrl*

Set the destination URL for the default param 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 default param 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 default params available in the user-provided path or - if no additional path is given - in the default and system default params directories.

RETRIEVE Mode:

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

Retrieve the latest default params available on the preconfigured repository and store them in the user-provided path or - if no additional path is given - in the default directory for default params. 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:

```
/opt/gtransfer/etc/dparam.conf or
```

```
/etc/opt/gtransfer/dparam.conf or
```

```
$HOME/.gtransfer/dparam.conf in this order.
```

[--help]

Prints out a help message.

[--version|-V]

Prints out version information.

FILES

```
$HOME/.gtransfer/dparams/
```

This dir contains the default "optimized" parameters usable by **gtransfer**. Can be created with **dparam**.

/opt/gtransfer/etc/dparams/

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

[...]/dparam.conf

The **dparam** configuration file.

AUTHOR

Frank Scheiner

SEE ALSO

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