

**NAME**

**dparam** - The dparam helper script

**SYNOPSIS**

**dparam --create|-c** [/path/to/files] **--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(1)** 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:**

**-c, --create** [/path/to/files]

Create a new dparam either in the user-provided path or - if no additional path is given - in the user dpaths directory in:

*\$HOME/.gtransfer/dpaths*

**-s, --source** *gsiftpSourceUrl*

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

Example:

*gsiftp://saturn.milkyway.universe:2811*

**-d, --destination|-d** *gsiftpDestinationUrl*

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

Example:

*gsiftp://pluto.milkyway.universe:2811*

**-a, --alias** *alias*

Set the alias for the created dparam. **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 it is recommended to use something like the following:

“{{site|organization}}\_{{resource|hostName|FQDN}}|Local}—to—{site|organization}}\_{{resource|host-Name|FQDN}}”

**LIST Mode:**

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

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

Retrieve the latest dparams available on the 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:

1. “/etc/gtransfer/dparam.conf” or
2. “<GTRANSFER\_BASE\_PATH>/etc/dparam.conf” or
3. “/etc/opt/gtransfer/dparam.conf” or
4. “\$HOME/.gtransfer/dparam.conf” or
5. “\$( dirname \$BASH\_SOURCE )/../etc” in this order.

**[--help]**

Prints out a help message.

**[-V, --version]**

Prints out version information.

**FILES**

*[...]/dparam.conf*

The dpath configuration file.

*[...]/dparams/*

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

*\$HOME/.gtransfer/dparams/*

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

**SEE ALSO**

**dparam(5)**, **sha1sum(1)**, **gtransfer(1)**

**AUTHORS**

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