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**.

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SEE ALSO
> **dpath**(1), **sha1sum**(1), **tgftp**(1), **gtransfer**(1)