

NAME

dpath – The data path helper script

SYNOPSIS

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

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

dpath --retrieve|-r [/path/to/files] [**--verbose|-v**] [**--configfile** *configurationFile*]

DESCRIPTION

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

MODES

dpath has several modes of operation:

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

LIST Lists all available data path files. Additionally only sources and destinations of data paths can be listed.

RETRIEVE

Retrieve the latest data paths available. In this mode **dpath** updates the local data paths with data available from the preconfigured repository.

OPTIONS

The options are as follows:

CREATE Mode:

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

Create a new data path either in the user-provided path or - if no additional path is given - in the default directory for data paths in:

\$HOME/.gtransfer/dpaths/

--source|-s *gsiftpSourceUrl*

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

Example:

gsiftp://saturn.milkyway.universe:2811

--destination|-d *gsiftpDestinationUrl*

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

Example:

gsiftp://pluto.milkyway.universe:2811

--alias|-a *alias*

Set the alias for the created data path. **dpath** will create a link named "alias" to the data path 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 data paths available in the user-provided path or - if no additional path is given - in the default and system data path directories.

--list-sources *[/path/to/dataPaths]*

List all sources from the data paths in the user provided path or - if no additional path is given - in the default and system data path directories.

--list-destinations *[/path/to/dataPaths]*

List all destinations from the data paths in the user provided path or - if no additional path is given - in the default and system data path directories.

RETRIEVE Mode:

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

Retrieve the latest data paths 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 data paths. 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 **dpath**. If not set, this defaults to:

/opt/gtransfer/etc/dpath.conf or

/etc/opt/gtransfer/dpath.conf or

\$HOME/.gtransfer/dpath.conf in this order.

[--help]

Prints out a help message.

[--version|-V]

Prints out version information.

FILES

\$HOME/.gtransfer/dpaths/

This dir contains the default data paths usable by **gtransfer**. Can be created with **dpath**.

/opt/gtransfer/etc/dpaths/

This dir contains the system data paths usable by **gtransfer** and is configurable. Can be created with **dpath**.

[...]/dpath.conf

The **dpath** configuration file.

AUTHOR

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SEE ALSO

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