

**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

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## SEE ALSO

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