

NAME

ggatec - GEOM Gate network client and control utility

SYNOPSIS

```
ggatec create [-n] [-v] [-o ro | wo | rw] [-p port] [-q queue_size] [-R rcvbuf] [-S sndbuf] [-s sectorsize]
    [-t timeout] [-u unit] host path
ggatec rescue [-n] [-v] [-o ro | wo | rw] [-p port] [-R rcvbuf] [-S sndbuf] -u unit host path
ggatec destroy [-f] -u unit
ggatec list [-v] [-u unit]
```

DESCRIPTION

The **ggatec** utility is a network client for the GEOM Gate class. It is responsible for the creation of **ggate** devices and forwarding I/O requests between the **GEOM Gate** kernel subsystem and the **g gated(8)** network daemon. Available commands:

create Connect to a **g gated(8)** daemon on the specified host and create a **ggate** provider for the specified remote file or device.

rescue Create a new connection after the **ggatec** process has died or been killed. The new connection to the **g gated(8)** daemon handles pending and future requests.

destroy Destroy the given **ggate** provider.

list List **ggate** providers.

Available options:

-f Forcibly destroy **ggate** provider (cancels all pending requests).

-n Do not use TCP_NODELAY option on TCP sockets.

-o ro | wo | rw Specify permissions to use when opening the file or device: read-only (**ro**), write-only (**wo**), or read-write (**rw**). Default is **rw**.

-p port Port to connect to on the remote host. Default is 3080.

-q queue_size Number of pending I/O requests that can be queued before they will start to be canceled. Default is 1024.

-R rcvbuf Size of receive buffer to use. Default is 131072 (128kB).

- S *sndbuf*** Size of send buffer to use. Default is 131072 (128kB).
- s *sectorsize*** Sector size for **ggate** provider. If not specified, it is taken from the device, or set to 512 bytes for files.
- t *timeout*** Number of seconds to wait before an I/O request will be canceled. Default is 0, which means no timeout.
- u *unit*** Unit number to use.
- v** Do not fork, run in foreground and print debug information on standard output.
- host* Remote host to connect to.
- path* Path to a regular file or device.

EXIT STATUS

Exit status is 0 on success, or 1 if the command fails. To get details about the failure, **ggatec** should be called with the **-v** option.

EXAMPLES

Use a CD-ROM device on a remote host.

```
server# cat /etc/gg.exports
client RO /dev/cd0
server# ggatec

client# ggatec create -o ro server /dev/cd0
ggate0
client# mount_cd9660 /dev/ggate0 /cdrom
```

SEE ALSO

geom(4), ggatec(8), ggate1(8), mount_cd9660(8)

HISTORY

The **ggatec** utility appeared in FreeBSD 5.3.

AUTHORS

The **ggatec** utility as well as this manual page was written by Pawel Jakub Dawidek <pjd@FreeBSD.org>.