NAME

gshsec - control utility for shared secret devices

SYNOPSIS

gshsec label [**-hv**] *name prov prov ...*
gshsec stop [**-fv**] *name ...*
gshsec clear [**-v**] *prov ...*
gshsec dump *prov ...*
gshsec list
gshsec status
gshsec load
gshsec unload

DESCRIPTION

The **gshsec** utility is used for setting up a device which contains a shared secret. The secret is shared between the given providers. To collect the secret, all providers are needed. If one of the components is missing, there is no way to get any useful data from the rest of them. The first argument to **gshsec** indicates an action to be performed:

label   Set up a shared secret device from the given components with the specified *name*. Metadata are stored in the last sector of every component.

stop   Turn off an existing shared secret device by its *name*. This command does not touch on-disk metadata!

clear   Clear metadata on the given providers.

dump   Dump metadata stored on the given providers.

list   See geom(8).

status   See geom(8).

load   See geom(8).

unload   See geom(8).

Additional options:

-f

Force the removal of the specified shared secret device.

-h
Hardcode providers' names in metadata.

-v
Be more verbose.

EXIT STATUS
Exit status is 0 on success, and 1 if the command fails.

EXAMPLES
The following example shows how to create a shared secret device. The secret will be split between a slice on a local disk and a USB Pen drive.

    gshsec label -v secret /dev/ada0s1 /dev/da0
    newfs /dev/shsec/secret

From now on, when the USB Pen drive is inserted, it will be automatically detected and connected, making the secret available via the */dev/shsec/secret* device.

SEE ALSO
geom(4), gbde(8), geom(8), newfs(8)

HISTORY
The **gshsec** utility appeared in FreeBSD 5.4.

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