NAME
vgcfgrestore – Restore volume group configuration

SYNOPSIS
vgcfgrestore *option_args position_args*
   [*option_args*]
   [*position_args*]

   −−**commandprofile** *String*
   −−**config** *String*
 −**d**|−−**debug**
   −−**driverloaded y**|**n**
 −**f**|−−**file** *String*
   −−**force**
 −**h**|−−**help**
 −**l**|−−**list**
   −−**lockopt** *String*
   −−**longhelp**
 −**M**|−−**metadatatype lvm2**
   −−**nolocking**
   −−**profile** *String*
 −**q**|−−**quiet**
 −**t**|−−**test**
 −**v**|−−**verbose**
   −−**version**
 −**y**|−−**yes**

DESCRIPTION
vgcfgrestore restores the metadata of a VG from a text back up file produced by **vgcfgbackup**. This writes VG metadata onto the devices specifed in back up file.

A back up file can be specified with −−**file**. If no backup file is specified, the most recent one is used. Use −−**list** for a list of the available back up and archive files of a VG.

WARNING: When a VG contains thin pools, changes to thin metadata cannot be reverted, and data loss may occur if thin metadata has changed. The force option is required to restore in this case.

USAGE
Restore VG metadata from last backup.

vgcfgrestore *VG*
   [COMMON_OPTIONS]
-

Restore VG metadata from specified file.

vgcfgrestore −**f**|−−**file** *String VG*
   [COMMON_OPTIONS]
-

List all VG metadata backups.

vgcfgrestore −**l**|−−**list** *VG*
   [COMMON_OPTIONS]
-

List one VG metadata backup file.

vgcfgrestore −**l**|−−**list** −**f**|−−**file** *String*

        [COMMON_OPTIONS]
        [*VG*]
-

Common options for command:
        [−**M**|−−**metadatatype lvm2**]
        [−−**force**]

Common options for lvm:
        [−**d**|−−**debug**]
        [−**h**|−−**help**]
        [−**q**|−−**quiet**]
        [−**t**|−−**test**]
        [−**v**|−−**verbose**]
        [−**y**|−−**yes**]
        [−−**commandprofile** *String*]
        [−−**config** *String*]
        [−−**driverloaded y|n**]
        [−−**lockopt** *String*]
        [−−**longhelp**]
        [−−**nolocking**]
        [−−**profile** *String*]
        [−−**version**]

OPTIONS

−−**commandprofile** *String*
> The command profile to use for command configuration. See **lvm.conf**(5) for more information about profiles.

−−**config** *String*
> Config settings for the command. These override lvm.conf settings. The String arg uses the same format as lvm.conf, or may use section/field syntax. See **lvm.conf**(5) for more information about config.

−**d**|−−**debug** ...
> Set debug level. Repeat from 1 to 6 times to increase the detail of messages sent to the log file and/or syslog (if configured).

−−**driverloaded y|n**
> If set to no, the command will not attempt to use device-mapper. For testing and debugging.

−**f**|−−**file** *String*
> Read metadata backup from the named file. Usually this file was created by vgcfgbackup.

−−**force** ...
> Force metadata restore even with thin pool LVs. Use with extreme caution. Most changes to thin metadata cannot be reverted. You may lose data if you restore metadata that does not match the thin pool kernel metadata precisely.

−**h**|−−**help**
> Display help text.

−**l**|−−**list**
> List metadata backup and archive files pertaining to the VG. May be used with −−file. Does not restore the VG.

−−**lockopt** *String*
> Used to pass options for special cases to lvmlockd. See **lvmlockd**(8) for more information.

−−longhelp
　　　　Display long help text.

−M|−−metadatatype lvm2
　　　　Specifies the type of on-disk metadata to use. **lvm2** (or just **2**) is the current, standard format.
　　　　lvm1 (or just **1**) is no longer used.

−−nolocking
　　　　Disable locking.

−−profile *String*
　　　　An alias for −−commandprofile or −−metadataprofile, depending on the command.

−q|−−quiet ...
　　　　Suppress output and log messages. Overrides −−debug and −−verbose. Repeat once to also sup-
　　　　press any prompts with answer 'no'.

−t|−−test
　　　　Run in test mode. Commands will not update metadata. This is implemented by disabling all
　　　　metadata writing but nevertheless returning success to the calling function. This may lead to un-
　　　　usual error messages in multi-stage operations if a tool relies on reading back metadata it believes
　　　　has changed but hasn't.

−v|−−verbose ...
　　　　Set verbose level. Repeat from 1 to 4 times to increase the detail of messages sent to stdout and
　　　　stderr.

−−version
　　　　Display version information.

−y|−−yes
　　　　Do not prompt for confirmation interactively but always assume the answer yes. Use with extreme
　　　　caution. (For automatic no, see −qq.)

VARIABLES
VG

　　　　Volume Group name. See **lvm**(8) for valid names.

String

　　　　See the option description for information about the string content.

Size[UNIT]

　　　　Size is an input number that accepts an optional unit. Input units are always treated as base two
　　　　values, regardless of capitalization, e.g. 'k' and 'K' both refer to 1024. The default input unit is
　　　　specified by letter, followed by |UNIT. UNIT represents other possible input units: **bBsSkKmMg-**
　　　　GtTpPeE. b|B is bytes, s|S is sectors of 512 bytes, k|K is KiB, m|M is MiB, g|G is GiB, t|T is
　　　　TiB, p|P is PiB, e|E is EiB. (This should not be confused with the output control −−units, where
　　　　capital letters mean multiple of 1000.)

ENVIRONMENT VARIABLES
　　　　See **lvm**(8) for information about environment variables used by lvm. For example, LVM_VG_NAME can
　　　　generally be substituted for a required VG parameter.

NOTES
　　　　To replace PVs, **vgdisplay −−partial −−verbose** will show the UUIDs and sizes of any PVs that are no
　　　　longer present. If a PV in the VG is lost and you wish to substitute another of the same size, use **pvcreate**
　　　　−−restorefile filename −−uuid uuid (plus additional arguments as appropriate) to initialise it with the
　　　　same UUID as the missing PV. Repeat for all other missing PVs in the VG. Then use **vgcfgrestore −−file**
　　　　filename to restore the VG's metadata.

SEE ALSO
　　　　lvm(8) **lvm.conf**(5) **lvmconfig**(8)

pvchange(8) **pvck**(8) **pvcreate**(8) **pvdisplay**(8) **pvmove**(8) **pvremove**(8) **pvresize**(8) **pvs**(8) **pvscan**(8)

vgcfgbackup(8) **vgcfgrestore**(8) **vgchange**(8) **vgck**(8) **vgcreate**(8) **vgconvert**(8) **vgdisplay**(8) **vgex-port**(8) **vgextend**(8) **vgimport**(8) **vgimportclone**(8) **vgmerge**(8) **vgmknodes**(8) **vgreduce**(8) **vgre-move**(8) **vgrename**(8) **vgs**(8) **vgscan**(8) **vgsplit**(8)

lvcreate(8) **lvchange**(8) **lvconvert**(8) **lvdisplay**(8) **lvextend**(8) **lvreduce**(8) **lvremove**(8) **lvrename**(8) **lvresize**(8) **lvs**(8) **lvscan**(8)

lvm-fullreport(8) **lvm-lvpoll**(8) **lvm2−activation−generator**(8) **blkdeactivate**(8) **lvmdump**(8)

dmeventd(8) **lvmpolld**(8) **lvmlockd**(8) **lvmlockctl**(8) **cmirrord**(8) **lvmdbusd**(8)

lvmsystemid(7) **lvmreport**(7) **lvmraid**(7) **lvmthin**(7) **lvmcache**(7)