

**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 specified 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 suppress 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 unusual 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 kilobytes, m|M is megabytes, g|G is gigabytes, t|T is terabytes, p|P is petabytes, e|E is exabytes. (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) vgexport(8) vgextend(8) vgimport(8) vgimportclone(8) vgmerge(8) vgmknodes(8) vgreduce(8) vgrename(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)**