



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'vgcfgrestore.8' command

\$ man vgcfgrestore.8

VGCFGRESTORE(8) System Manager's Manual VGCFGRESTORE(8)

NAME

vgcfgrestore ? Restore volume group configuration

SYNOPSIS

vgcfgrestore option_args position_args

[option_args]

[position_args]

--commandprofile String

--config String

-d|--debug

--devices PV

--devicesfile String

--driverloaded y|n

-f|--file String

--force

-h|--help

--journal String

-l|--list

--lockopt String

--longhelp

-M|--metadatatype lvm2

--nohints

--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]

[--devices PV]

[--devicesfile String]

[--driverloaded y|n]

[--journal String]

[--lockopt String]

[--longhelp]

[--nohints]

[--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(5)` settings. The String arg uses the same format as `lvm.conf(5)`, 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).

--devices PV

Restricts the devices that are visible and accessible to the command. Devices not listed will appear to be missing. This option can be repeated, or accepts a comma separated list of devices. This overrides the devices file.

--devicesfile String

A file listing devices that LVM should use. The file must exist in /etc/lvm/devices/ and is managed with the `lvmdisks(8)` command. This overrides the `lvm.conf(5)` `devices/devicesfile` and `devices/use_devicesfile` settings.

--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.

--journal String

Record information in the systemd journal. This information is in addition to information enabled by the `lvm.conf log/journal` setting. `command`: record information about the command. `output`: record the default command output. `debug`: record full command debugging.

-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 lvm?
lockd(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.

--nohints

Do not use the hints file to locate devices for PVs. A command
may read more devices to find PVs when hints are not used. The
command will still perform standard hint file invalidation where
appropriate.

--nolocking

Disable locking. Use with caution, concurrent commands may pro?
duce incorrect results.

--profile String

An alias for --commandprofile or --metadataprofile, depending on
the command.

-q|--quiet ...

Suppress output and log messages. Overrides --debug and --ver?
bose. 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 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 de?

tail 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: 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 --recreate storefile 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), lvmdevices(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), vgimportdevices(8), vgmerge(8), vgmknodes(8),
vgreduce(8), vgremove(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), blkdeactivate(8), lvmdump(8),
dmeventd(8), lvmpolld(8), lvmlockd(8), lvmlockctl(8), cmirrord(8),
lvmdbusd(8), fsadm(8),
lvmsystemid(7), lvmreport(7), lvmraid(7), lvmthin(7), lvmcache(7)

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