



Rocky Enterprise Linux 9.2 Manual Pages on command 'vgconvert.8'

\$ man vgconvert.8

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

NAME

vgconvert ? Change volume group metadata format

SYNOPSIS

vgconvert position_args

[option_args]

DESCRIPTION

vgconvert is no longer a part of LVM. It was removed along with support for the LVM1 format. Use an older version of LVM to convert VGs from the LVM1 format to LVM2.

USAGE

vgconvert VG ...

[-f|--force]

[-M|--metadatatype lvm2]

[--labelsector Number]

[--bootloaderareaseize Size[m|UNIT]]

[--pvmetadataacopies 0|1|2]

[--metadatasize Size[m|UNIT]]

[--reportformat basic|json|json_std]

[COMMON_OPTIONS]

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

--bootloaderareaseize Size[m|UNIT]

Reserve space for the bootloader between the LVM metadata area and the first PE. The bootloader area is reserved for bootloaders to embed their own data or metadata; LVM will not use it.

The bootloader area begins where the first PE would otherwise be located. The first PE is moved out by the size of the bootloader area, and then moved out further if necessary to match the data alignment. The start of the bootloader area is always aligned, see also --dataalignment and --dataalignmentoffset. The bootloader area may be larger than requested due to the alignment, but it's never less than the requested size. To see the

bootloader area start and size of an existing PV use pvs -o
+pv_ba_start,pv_ba_size.

--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) set-
tings. The String arg uses the same format as lvm.conf(5), or
may use section/field syntax. See lvm.conf(5) for more informa-
tion 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 op-
tion can be repeated, or accepts a comma separated list of de-
vices. 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 lvmdevices(8) com-
mand. 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|--force ...

Override various checks, confirmations and protections. Use
with extreme caution.

-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. `out?` put: record the default command output. `debug`: record full command debugging.

`--labelsector` Number

By default the PV is labelled with an LVM2 identifier in its second sector (sector 1). This lets you use a different sector near the start of the disk (between 0 and 3 inclusive - see `LA? BEL_SCAN_SECTORS` in the source). Use with care.

`--lockopt` String

Used to pass options for special cases to `lvmlockd`. See `lvm? lockd(8)` for more information.

`--longhelp`

Display long help text.

`--metadatasize` Size[m|UNIT]

The approximate amount of space used for each VG metadata area. The size may be rounded.

`-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 produce incorrect results.

`--profile` String

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

`--pvmetadatacopies` 0|1|2

The number of metadata areas to set aside on a PV for storing VG metadata. When 2, one copy of the VG metadata is stored at the front of the PV and a second copy is stored at the end. When 1, one copy of the VG metadata is stored at the front of the PV.

When 0, no copies of the VG metadata are stored on the given PV.

This may be useful in VGs containing many PVs (this places limitations on the ability to use vgsplit later.)

`-q|--quiet ...`

Suppress output and log messages. Overrides `--debug` and `--verbose`. Repeat once to also suppress any prompts with answer 'no'.

`--reportformat basic|json|json_std`

Overrides current output format for reports which is defined globally by the `report/output_format` setting in `lvm.conf(5)`. `basic` is the original format with columns and rows. If there is more than one report per command, each report is prefixed with the report name for identification. `json` produces report output in JSON format. `json_std` produces report output in JSON format which is more compliant with JSON standard. See `lvmreport(7)` for more information.

`-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 default 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.

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), lvreport(7), lvraid(7), lvthin(7), lvncache(7)

Red Hat, Inc. LVM TOOLS 2.03.17(2) (2022-11-10) VGCONVERT(8)