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

$ 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 sup?

    port 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]

        [--bootloaderareasize Size[m|UNIT]]

        [--pvmetadatacopies 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

   --bootloaderareasize Size[m|UNIT]

        Reserve space for the bootloader between the LVM metadata area

        and the first PE. The bootloader area is reserved for bootload?

        ers 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 boot?

        loader 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 align?

        ment, 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 com‐

    mand 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 pro?
duce 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 limi?

tations on the ability to use vgsplit later.)

-q|--quiet ...

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

bose. 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 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 con?

tent.

Size[UNIT]

> Size is an input number that accepts an optional unit. Input units are always treated as base two values, regardless of capi?talization, e.g. 'k' and 'K' both refer to 1024. The default input unit is specified by letter, followed by |UNIT. UNIT rep?resents 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), lvmreport(7), lvmraid(7), lvmthin(7), lvmcache(7)