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

$ man pvchange.8

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

NAME

　　　pvchange ? Change attributes of physical volume(s)

SYNOPSIS

　　　pvchange option_args position_args

　　　　[option_args]

DESCRIPTION

　　　pvchange changes PV attributes in the VG.

　　　For options listed in parentheses, any one is required, after which the

　　　others are optional.

USAGE

　　　Change properties of all PVs.

　　　pvchange -a|--all

　　　　(-x|--allocatable y|n

　　　　 -u|--uuid

　　　　　--addtag Tag

　　　　　--deltag Tag

　　　　　--metadataignore y|n)

   [COMMON_OPTIONS]

Change properties of specified PVs.

pvchange

  (-x|--allocatable y|n

   -u|--uuid

    --addtag Tag

    --deltag Tag

    --metadataignore y|n)

  PV|Select ...

  [-S|--select String]

  [COMMON_OPTIONS]

Common options for command:

  [-A|--autobackup y|n]

  [-f|--force]

  [-u|--uuid]

  [--reportformat basic|json|json_std]

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

--addtag Tag

Adds a tag to a PV, VG or LV. This option can be repeated to add

multiple tags at once. See lvm(8) for information about tags.

-a|--all

Change all visible PVs.

-x|--allocatable y|n

Enable or disable allocation of physical extents on this PV.

-A|--autobackup y|n

Specifies if metadata should be backed up automatically after a

change. Enabling this is strongly advised! See vgcfgbackup(8)

for more information.

--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).

--deltag Tag

Deletes a tag from a PV, VG or LV. This option can be repeated

to delete multiple tags at once. See lvm(8) for information

about tags.

--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.

--lockopt String

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

--longhelp

Display long help text.

--metadataignore y|n

Specifies the metadataignore property of a PV. If yes, metadata
areas on the PV are ignored, and lvm will not store metadata in
the metadata areas of the PV. If no, lvm will store metadata on
the PV.

--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'.

--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.

-S|--select String

Select objects for processing and reporting based on specified
criteria. The criteria syntax is described by --select help and
lvmreport(7). For reporting commands, one row is displayed for
each object matching the criteria. See --options help for se‐
lectable object fields. Rows can be displayed with an addi‐
tional "selected" field (-o selected) showing 1 if the row
matches the selection and 0 otherwise. For non-reporting com‐
mands which process LVM entities, the selection is used to
choose items to process.

-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.

-u|--uuid

Generate new random UUID for specified PVs.

-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

PV   Physical Volume name, a device path under /dev. For commands managing physical extents, a PV positional arg generally accepts a suffix indicating a range (or multiple ranges) of physical ex‐tents (PEs). When the first PE is omitted, it defaults to the start of the device, and when the last PE is omitted it defaults to end. Start and end range (inclusive): PV[:PE-PE]... Start and length range (counting from 0): PV[:PE+PE]...

Select Select indicates that a required positional parameter can be omitted if the --select option is used. No arg appears in this position.

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.

EXAMPLES

Disallow the allocation of physical extents on a PV (e.g. because of disk errors, or because it will be removed after freeing it).

pvchange -x n /dev/sdk1

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)