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

\$ 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)` 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).

`--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 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 `lvmdevices(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|--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.

--lockopt String

Used to pass options for special cases to lvmlockd. See lvmlockd(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 produce incorrect results.

--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'.

--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 selectable object fields. Rows can be displayed with an additional "selected" field (-o selected) showing 1 if the row matches the selection and 0 otherwise. For non-reporting commands 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 unusual 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 default 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 extents (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 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.

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\(8\)](#), [cmirror\(8\)](#),
[lvmdbusd\(8\)](#), [fsadm\(8\)](#),
[lvmsystemid\(7\)](#), [lvmreport\(7\)](#), [lvraid\(7\)](#), [lvmthin\(7\)](#), [lvmcache\(7\)](#)

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