



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

\$ man vgck.8

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

NAME

vgck ? Check the consistency of volume group(s)

SYNOPSIS

vgck option_args position_args

[option_args]

[position_args]

DESCRIPTION

vgck checks LVM metadata for consistency.

USAGE

Read and display information about a VG.

vgck

[--reportformat basic|json|json_std]

[COMMON_OPTIONS]

[VG|Tag ...]

Rewrite VG metadata to correct problems.

vgck --updatemetadata VG

[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

--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 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.

-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.

--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.

`-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.

`--updatemetadata`

Update VG metadata to correct problems. If VG metadata was updated while a PV was missing, and the PV reappears with an old version of metadata, then this option (or any other command that writes metadata) will update the metadata on the previously missing PV. If a PV was removed from a VG while it was missing, and the PV reappears, using this option will clear the outdated metadata from the previously missing PV. If metadata text is damaged on one PV, using this option will replace the damaged metadata text. For more severe damage, e.g. with headers, see `pvck(8)`.

`-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.

Tag Tag name. See `lvm(8)` for information about tag names and using tags in place of a VG, LV or PV.

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)`, `pvdisk(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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