

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 ]
[ COMMON_OPTIONS ]
[ VG|Tag ... ]
```

Rewrite VG metadata to correct problems.

```
vgck --updatemetadata VG
    [ COMMON_OPTIONS ]
```

Common options for command:

Common options for lvm:

```
[ -d|--debug ]
[ -h|--help ]
[ -q|--quiet ]
[ -t|--test ]
[ -v|--verbose ]
[ -y|--yes ]
[ --commandprofile String ]
[ --config String ]
[ --driverloaded y|n ]
[ --lockopt String ]
[ --longhelp ]
[ --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 settings. The *String* arg uses the same format as lvm.conf, 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).

--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.
- lockopt *String***
Used to pass options for special cases to `lvmlockd`. See **lvmlockd(8)** for more information.
- longhelp**
Display long help text.
- nolocking**
Disable locking.
- 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***
Overrides current output format for reports which is defined globally by the `report/output_format` setting in `lvm.conf`. **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. 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 detail 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: **bBsSkKmMg-GtTpPeE**. 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)**

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)** **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)** **lvm2-activation-generator(8)** **blkdeactivate(8)** **lvmdump(8)**

dmeventd(8) **lvmpolld(8)** **lvmlckd(8)** **lvmlckctl(8)** **cmirrord(8)** **lvmdbusd(8)**

lvmsystemid(7) **lvmreport(7)** **lvraid(7)** **lvthin(7)** **lvmdcache(7)**