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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) 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.

-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 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 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.

-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 outdated 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: 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), vgdisk(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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