

**NAME**

vgmknodes – Create the special files for volume group devices in /dev

**SYNOPSIS**

```
vgmknodes
    [ option_args ]
    [ position_args ]
```

**DESCRIPTION**

vgmknodes checks the LVM device nodes in /dev that are needed for active LVs and creates any that are missing and removes unused ones.

This command should not usually be needed if all the system components are interoperating correctly.

**USAGE**

```
vgmknodes
    [ --ignorelockingfailure ]
    [ --refresh ]
    [ --reportformat basic|json ]
    [ COMMON_OPTIONS ]
    [ VG|LV|Tag ... ]
```

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.

**--ignorelockingfailure**

Allows a command to continue with read-only metadata operations after locking failures.

- lockopt** *String*  
Used to pass options for special cases to **lvmlckd**(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'.
- refresh**  
If the LV is active, reload its metadata. This is not necessary in normal operation, but may be useful if something has gone wrong, or if some form of manual LV sharing is being used.
- 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 **lvmlreport**(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.
- 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 **lvml**(8) for valid names.

*LV*

Logical Volume name. See **lvml**(8) for valid names. An LV positional arg generally includes the VG name and LV name, e.g. VG/LV.

*Tag*

Tag name. See **lvml**(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)** **lvmddump(8)**

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

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