

NAME

vgscan – Search for all volume groups

SYNOPSIS

```
vgscan
  [ option_args ]
```

DESCRIPTION

vgscan scans all supported LVM block devices in the system for VGs.

USAGE

```
vgscan
  [ --ignorelockingfailure ]
  [ --mknodes ]
  [ --notifydbus ]
  [ --reportformat basic|json ]
  [ COMMON_OPTIONS ]
```

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 lvmlockd. See **lvmlockd(8)** for more information.

- longhelp**
Display long help text.
- mknodes**
Also checks the LVM special files in /dev that are needed for active LVs and creates any missing ones and removes unused ones.
- nolocking**
Disable locking.
- notifydbus**
Send a notification to D-Bus. The command will exit with an error if LVM is not built with support for D-Bus notification, or if the notify_dbus config setting is disabled.
- 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.
- 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

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 kilobytes, m|M is megabytes, g|G is gigabytes, t|T is terabytes, p|P is petabytes, e|E is exabytes. (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) vge-
xport(8) vgextend(8) vgimport(8) vgimportclone(8) vgmerge(8) vgmknodes(8) vgreduce(8) vgre-
move(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) lvmlockd(8) lvmlockctl(8) cmirrord(8) lvmdbusd(8)

lvmsystemid(7) lvmreport(7) lvmraid(7) lvmthin(7) lvmcache(7)