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

\$ man vgexport.8

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

NAME

vgexport ? Unregister volume group(s) from the system

SYNOPSIS

vgexport option_args position_args

[option_args]

DESCRIPTION

vgexport changes a VG into the exported state, which ensures that the VG and its disks are not being used, and cannot be used until the VG is imported by vgimport(8). Putting a VG into an unusable, offline state can be useful when doing things like moving a VG's disks to another system. Exporting a VG provides some protection from its LVs being accidentally used, or being used by an automated system before it's ready.

A VG cannot be exported until all of its LVs are inactive.

LVM commands will ignore an exported VG or report an error if a command tries to use it.

For an exported VG, the vgs command will display attribute, and the pvs command will display attribute. Both vgs and pvs will display report field.

vgexport clears the VG system ID, and vgimport sets the VG system ID to match the host running vgimport (if the host has a system ID).

USAGE

Export specified VGs.

`vgexport VG|Tag|Select ...`

[`-S|--select String`]

[`COMMON_OPTIONS`]

Export all VGs.

`vgexport -a|--all`

[`COMMON_OPTIONS`]

Common options for command:

[`--reportformat basic|json|json_std`]

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

`-a|--all`

`--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. output: record the default command output. debug: record full command debugging.

--lockopt String

Used to pass options for special cases to lvmlockd. See lvmlockd(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.

`-S|--select String`

Select objects for processing and reporting based on specified criteria. The criteria syntax is described by `--select help` and `lvmreport(7)`. For reporting commands, one row is displayed for each object matching the criteria. See `--options help` for selectable object fields. Rows can be displayed with an additional "selected" field (`-o selected`) showing 1 if the row matches the selection and 0 otherwise. For non-reporting com?

mands which process LVM entities, the selection is used to choose items to process.

`-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 tail 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.

`Select` `Select` indicates that a required positional parameter can be omitted if the `--select` option is used. No arg appears in this position.

`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)`, `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)`, `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)`, `lvmddump(8)`,
`dmeventd(8)`, `lvmpolld(8)`, `lvmlockd(8)`, `lvmlockctl(8)`, `cmirror(8)`,
`lvmdbusd(8)`, `fsadm(8)`,
`lvmsystemid(7)`, `lvmreport(7)`, `lvraid(7)`, `lvthin(7)`, `lvmdcache(7)`

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