

NAME

lvmdump — create lvm2 information dumps for diagnostic purposes

SYNOPSIS

lvmdump [-a] [-c] [-d *directory*] [-h] [-l] [-m] [-p] [-s] [-u]

DESCRIPTION

lvmdump is a tool to dump various information concerning LVM2. By default, it creates a tarball suitable for submission along with a problem report.

The content of the tarball is as follows:

- dmsetup info
- table of currently running processes
- recent entries from /var/log/messages (containing system messages)
- complete lvm configuration and cache (content of /etc/lvm)
- list of device nodes present under /dev
- list of files present /sys/block
- list of files present /sys/devices/virtual/block
- if enabled with -m, metadata dump will be also included
- if enabled with -a, debug output of vgscan, pvscan and list of all available volume groups, physical volumes and logical volumes will be included
- if enabled with -l, lvmetad state if running
- if enabled with -p, lvmpolld state if running
- if enabled with -s, system info and context
- if enabled with -u, udev info and context

OPTIONS

- a** Advanced collection. **WARNING:** if lvm is already hung, then this script may hang as well if **-a** is used.
- d** *directory* Dump into a directory instead of tarball. By default, lvmdump will produce a single compressed tarball containing all the information. Using this option, it can be instructed to only produce the raw dump tree, rooted in *directory*.
- h** Print help message
- l** Include **lvmetad**(8) daemon dump if it is running. The dump contains cached information that is currently stored in lvmetad: VG metadata, PV metadata and various mappings in between these metadata for quick access.
- m** Gather LVM metadata from the PVs. This option generates a 1:1 dump of the metadata area from all PVs visible to the system, which can cause the dump to increase in size considerably. However, the metadata dump may represent a valuable diagnostic resource.
- p** Include **lvmpolld**(8) daemon dump if it is running. The dump contains all in-progress operation currently monitored by the daemon and partial history for all yet uncollected results of polling operations already finished including reason.
- s** Gather system info and context. Currently, this encompasses info gathered by calling lsblk command and various systemd info and context: overall state of systemd units present in the system, more detailed status of units controlling LVM functionality and the content of systemd journal for current boot.
- u** Gather udev info and context: /etc/udev/udev.conf file, udev daemon version (output of 'udevadm info --version' command), udev rules currently used in the system (content of /lib/udev/rules.d and /etc/udev/rules.d directory), list of files in /lib/udev directory and dump of current udev database content (the output of 'udevadm info --export-db' command).

ENVIRONMENT VARIABLES

LVM_BINARY

The LVM2 binary to use. Defaults to "lvm". Sometimes you might need to set this to "/sbin/lvm.static", for example.

DMSETUP_BINARY

The dmsetup binary to use. Defaults to "dmsetup".

SEE ALSO

lvm(8)