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Rocky Enterprise Linux 9.2 Manual Pages on command 'lvm dump.8'

\$ man lvm dump.8

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

NAME

lvm dump ? create lvm2 information dumps for diagnostic purposes

SYNOPSIS

lvm dump [-a] [-c] [-d directory] [-h] [-l] [-m] [-p] [-s] [-u]

DESCRIPTION

lvm dump is a tool to dump various information concerning LVM2. By de?

fault, it creates a tarball suitable for submission along with a prob?

lem 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, lvm metadata 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, lvm dump 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 lvm metadata(8) daemon dump if it is running. The dump contains cached information that is currently stored in lvm metadata: 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 "/usr/bin/lvm.static", for example.

DMSETUP_BINARY

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

SEE ALSO

lvm(8), lvmpolld(8),
udev(8), udevadm(8)

Red Hat, Inc. LVM TOOLS 2.03.17(2) (2022-11-10) LVMDUMP(8)