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

$ man lvremove.8

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

NAME

   lvremove ? Remove logical volume(s) from the system

SYNOPSIS

   lvremove position_args

      [option_args]

DESCRIPTION

   lvremove removes one or more LVs. For standard LVs, this returns the

   logical extents that were used by the LV to the VG for use by other

   LVs.

   Confirmation will be requested before deactivating any active LV prior

   to removal. LVs cannot be deactivated or removed while they are open

   (e.g. if they contain a mounted filesystem). Removing an origin LV

   will also remove all dependent snapshots.

   When a single force option is used, LVs are removed without confirma?

   tion, and the command will try to deactivate unused LVs.

   To remove damaged LVs, two force options may be required (-ff).

   Historical LVs

   If the configuration setting metadata/record_lvs_history is enabled and

   the LV being removed forms part of the history of at least one LV that

   is still present, then a simplified representation of the LV will be

   retained. This includes the time of removal (lv_time_removed reporting

   field), creation time (lv_time), name (lv_name), LV uuid (lv_uuid) and

VG name (vg_name). This allows later reporting to see the ancestry

chain of thin snapshot volumes, even after some intermediate LVs have

been removed. The names of such historical LVs acquire a hyphen as a

prefix (e.g. '-lvol1') and cannot be reactivated. Use lvremove a sec?

ond time, with the hyphen, to remove the record of the former LV com?

pletely.

USAGE

lvremove VG|LV|Tag|Select ...

  [-A|--autobackup y|n]

  [-f|--force]

  [-S|--select String]

  [--nohistory]

  [--noudevsync]

  [--reportformat basic|json|json_std]

  [COMMON_OPTIONS]

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|--autobackup y|n

    Specifies if metadata should be backed up automatically after a

    change. Enabling this is strongly advised! See vgcfgbackup(8)

    for more information.

--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) set?

    tings.   The String arg uses the same format as lvm.conf(5), or

    may use section/field syntax. See lvm.conf(5) for more informa?

    tion 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 op?

    tion can be repeated, or accepts a comma separated list of de?

    vices. 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) com?

    mand.   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.

-f|--force ...

    Override various checks, confirmations and protections. Use

    with extreme caution.

-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.   out?

    put: record the default command output. debug: record full com?

    mand debugging.

--lockopt String

    Used to pass options for special cases to lvmlockd.   See lvm?

    lockd(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.

--nohistory

    Do not record history of LVs being removed. This has no effect

    unless the configuration setting metadata/record_lvs_history is

    enabled.

--nolocking

    Disable locking. Use with caution, concurrent commands may pro?

    duce incorrect results.

--noudevsync

    Disables udev synchronisation. The process will not wait for no?

    tification from udev. It will continue irrespective of any pos?

    sible udev processing in the background. Only use this if udev

    is not running or has rules that ignore the devices LVM creates.

--profile String

    An alias for --commandprofile or --metadataprofile, depending on

    the command.

-q|--quiet ...

      Suppress output and log messages. Overrides --debug and --ver?

      bose. 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 se?

      lectable object fields. Rows can be displayed with an addi?

      tional "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 un?

      usual 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 de?

      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.

LV Logical Volume name. See lvm(8) for valid names. An LV posi?tional arg generally includes the VG name and LV name, e.g. VG/LV.

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 con?tent.

Size[UNIT]

Size is an input number that accepts an optional unit. Input units are always treated as base two values, regardless of capi?talization, e.g. 'k' and 'K' both refer to 1024. The default input unit is specified by letter, followed by |UNIT. UNIT rep?resents 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.

EXAMPLES

Remove an active LV without asking for confirmation.

lvremove -f vg00/lvol1

Remove all LVs the specified VG.

lvremove vg00

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), lvmdump(8),

dmeventd(8), lvmpolld(8), lvmlockd(8), lvmlockctl(8), cmirrord(8),

lvmdbusd(8), fsadm(8),

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