

NAME

blkdeactivate — Utility to deactivate block devices

SYNOPSIS

```
blkdeactivate [-d|--dmoptions dm_options] [-e|--errors] [-h|--help] [-l|--lvmoptions lvm_options]
               [-r|--mdraidoptions mdraid_options] [-m|--mpathoptions mpath_options]
               [-u|--umount] [-o|--vdooptions vdo_options] [-v|--verbose] [device]
```

DESCRIPTION

The blkdeactivate utility deactivates block devices. For mounted block devices, it attempts to unmount them automatically before trying to deactivate. The utility currently supports device-mapper devices (DM), including LVM volumes and software RAID MD devices. LVM volumes are handled directly using the **lvm**(8) command, the rest of device-mapper based devices are handled using the **dmsetup**(8) command. MD devices are handled using the **mdadm**(8) command.

OPTIONS

-d|--dmoptions *dm_options*

Comma separated list of device-mapper specific options.
Accepted **dmsetup**(8) options are:

retry Retry removal several times in case of failure.

force Force device removal.

-e|--errors

Show errors reported from tools called by **blkdeactivate**. Without this option, any error messages from these external tools are suppressed and the **blkdeactivate** itself provides only a summary message to indicate the device was skipped.

-h|--help

Display the help text.

-l|--lvmoptions *lvm_options*

Comma-separated list of LVM specific options:

retry Retry removal several times in case of failure.

wholevg

Deactivate the whole LVM Volume Group when processing a Logical Volume. Deactivating the Volume Group as a whole is quicker than deactivating each Logical Volume separately.

-r|--mdraidoptions *mdraid_options*

Comma-separated list of MD RAID specific options:

wait Wait for MD device's resync, recovery or reshape action to complete before deactivation.

-m|--mpathoptions *mpath_options*

Comma-separated list of device-mapper multipath specific options:

disablequeueing

Disable queueing on all multipath devices before deactivation. This avoids a situation where blkdeactivate may end up waiting if all the paths are unavailable for any underlying device-mapper multipath device.

-u|--umount

Unmount a mounted device before trying to deactivate it. Without this option used, a device that is mounted is not deactivated.

-o|--vdooptions *vdo_options*

Comma-separated list of VDO specific options:

configfile=*file*

Use specified VDO configuration file.

-v|--verbose

Run in verbose mode. Use **-vv** for even more verbose mode.

EXAMPLES

Deactivate all supported block devices found in the system, skipping mounted devices.

blkdeactivate

Deactivate all supported block devices found in the system, unmounting any mounted devices first, if possible.

blkdeactivate -u

Deactivate the device `/dev/vg/lvol0` together with all its holders, unmounting any mounted devices first, if possible.

blkdeactivate -u /dev/vg/lvol0

Deactivate all supported block devices found in the system. If the deactivation of a device-mapper device fails, retry it. Deactivate the whole Volume Group at once when processing an LVM Logical Volume.

blkdeactivate -u -d retry -l wholevg

Deactivate all supported block devices found in the system. If the deactivation of a device-mapper device fails, retry it and force removal.

blkdeactivate -d force,retry

SEE ALSO

lvm(8),

dmsetup(8),

lsblk(8), **mdadm(8)**, **multipathd(8)**, **vdo(8)**, **umount(8)**