

NAME

blkdeactivate — utility to deactivate block devices

SYNOPSIS

blkdeactivate [-d *dm_options*] [-e] [-h] [-l *lvm_options*] [-m *mpath_options*] [-r *mdraid_options*] [-o *vdo_options*] [-u] [-v] [*device*]

DESCRIPTION

The blkdeactivate utility deactivates block devices. For mounted block devices, it attempts to unmount it 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, --lvoptions *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.

-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.

-r, --mdraidoptions *mdraid_options*

Comma-separated list of MD RAID specific options:

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

-o, --vdooptions *vdo_options*

Comma-separated list of VDO specific options:

configfile=file

Use specified VDO configuration file.

-u, --umount

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

-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. **#blkdeacti vate**

Deactivate all supported block devices found in the system, unmounting any mounted devices first, if possible. **#blkdeacti vate -u**

Deactivate the device **/dev/vg/lvol0** together with all its holders, unmounting any mounted devices first, if possible. **#blkdeacti vate -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. **#blkdeacti vate -d force,retry**

SEE ALSO

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