LVM Snapshot Toolkit

lvm-snaptool

A toolkit for handling LVM snapshots and more

LVM Snapshot Toolkit

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Introduction & Features

lvm-snaptool is a toolkit for creating/deleting snapshots of LVM logical volumes.

- Uses Bashinator for message handling etc.
- Can create/delete snapshots of
  - all available LVs (not yet implemented as of version 1)
  - specific LVs (not yet implemented as of version 1)
- Can exclude certain LVs
- Can use default and LV-specific snapshot volume size factor, for example: 0.1 == 10% of origin LV size
- Can create/delete a mirror of the complete system (including non-LVM volumes), e.g. for backup purposes, mirrors all volumes below a given subdirectory

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File system layout of a typical installation

```
## package 'app-admin/lvm-snaptool' from 'wschlich' overlay
/etc/lvm-snaptool/bashinator.cfg.sh      # bashinator configuration
/etc/lvm-snaptool/lvm-snaptool.cfg.sh    # lvm-snaptool configuration
/usr/lib/lvm-snaptool.lib.sh             # lvm-snaptool library
/usr/sbin/lvm-snaptool.sh                # lvm-snaptool script
```

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Use cases

```
## create/delete a snapshot of a single LV
## with a snapshot volume size of 20%
## (not yet implemented as of version 1)
lvm-snaptool -C -l vgs/lvhome -f 0.2
lvm-snaptool -D -l vgs/lvhome

## create/delete snapshots of all LVs
## with a snapshot volume size of 10%
## excluding vgs/lvhome
## (not yet implemented as of version 1)
lvm-snaptool -C -a -e vgs/lvhome -f 0.1
lvm-snaptool -D -a

## create/delete a system mirror
## mounted below /mnt/sysmirror
## excluding vgs/lvlocal,
## using default snapshot volume size of 10%
## and 20% for vgs/lvhome
lvm-snaptool -M -C -d /mnt/sysmirror -e vgs/lvlocal -f 0.1,vgs/lvhome:0.2
lvm-snaptool -M -D -d /mnt/sysmirror
```

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Questions? Feedback?

Please ask your questions now and/or send me your feedback and suggestions:

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