Betriebssystem UNIX/Linux   Lösungen LVM

Folie 28 [Übung 1]
- dd if=/dev/zero of=disk1.lvm bs=1k count=50000
- losetup /dev/loop1 disk1.lvm
- pvcreate /dev/loop1
- vgcreate vg_test /dev/loop1
- lvcreate --size 20M -name lv_home vg_test
- lvcreate --size 20M -name lv_data vg_test
- mkfs.ext3 /dev/vg_test/lv_home
- mkfs.ext3 /dev/vg_test/lv_data
- mkdir /mnt/home /mnt/data
- mount /dev/vg_test/lv_home /mnt/home
- mount /dev/vg_test/lv_data /mnt/data
- cp -r ~ /mnt/home/
- cp -r /usr/share/doc/* /mnt/data

Folie 29 [Übung 2]
- dd if=/dev/zero of=disk2.lvm bs=1k count=50000
- losetup /dev/loop2 disk2.lvm
- pvcreate /dev/loop2
- vgextend vg_test /dev/loop2
- lvextend --size +20M /dev/vg_test/lv_home
- lvextend --size +20M /dev/vg_test/lv_data
- resize2fs -p /dev/vg_test/lv_home
- resize2fs /dev/vg_test/lv_data
- ls -l /mnt/home
- ls -l /mnt/data
- fsck -N /mnt/home

Folie 30 [Übung 3]
- pvs; pvdisplay
- vgs; vgdisplay
- lvs; lvdisplay
- lvm; dumpconfig
- lvcreate --size 10M --snapshot --name snap1 \
    /dev/vg_test/lv_home
- mount -o ro /dev/vg_test/snap1 /mnt/snap1
- lvremove /dev/vg_test/snap1

Folie 31 [Übung 4]
- umount /dev/vg_test/lv_data
- resize2fs /dev/vg_test/lv_data 10M
- mount /dev/vg_test/lv_data
- vgextend vg_test /dev/loop2
- pvmove /dev/loop1
- vgreduce vg_test /dev/loop1
- pvmove /dev/loop2
- pvremove /dev/loop1

----Aufräumen----
- umount /dev/vg_test/lv_home
- umount /dev/vg_test/lv_data
- rmdir /mnt/home /mnt/data
- lvremove /dev/vg_test/lv_home
- /dev/vg_test/lv_data
- vgremove /dev/vg_test
- pvremove /dev/loop2