



OpenScape Business

How To

Enhance second Hard disk Size from OVA if not done automatically

Version 0.2

Definitions

HowTo

An OpenScape Business HowTo describes the configuration of an OpenScape Business feature within the OpenScape Business administration. It addresses primarily trained administrators of OpenScape Business.

Tutorial

Within the OpenScape Business tutorials procedures for installation, administration and operation of specific devices, applications or systems, which are connected to OpenScape Business, are described. The tutorial addresses primarily trained administrators of OpenScape Business.

Table of Contents

1. Introduction	4
2. How to enhance the second Hard Disk with the SLES Command line	4

Table of History

Date	Version	Changes
04-05-2018	0.1	Initial Version
05-05-2018	0.2	Change screenshot

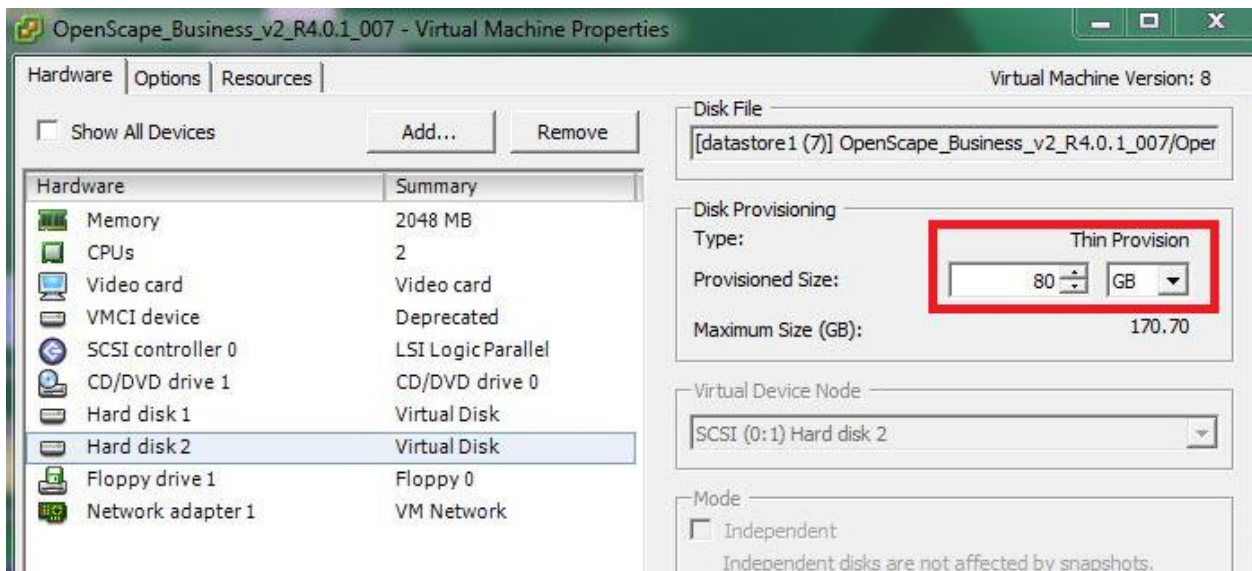
1. Introduction

After the Deployment with an OVA File, the second Hard Disk has as a standard size 40 GB.

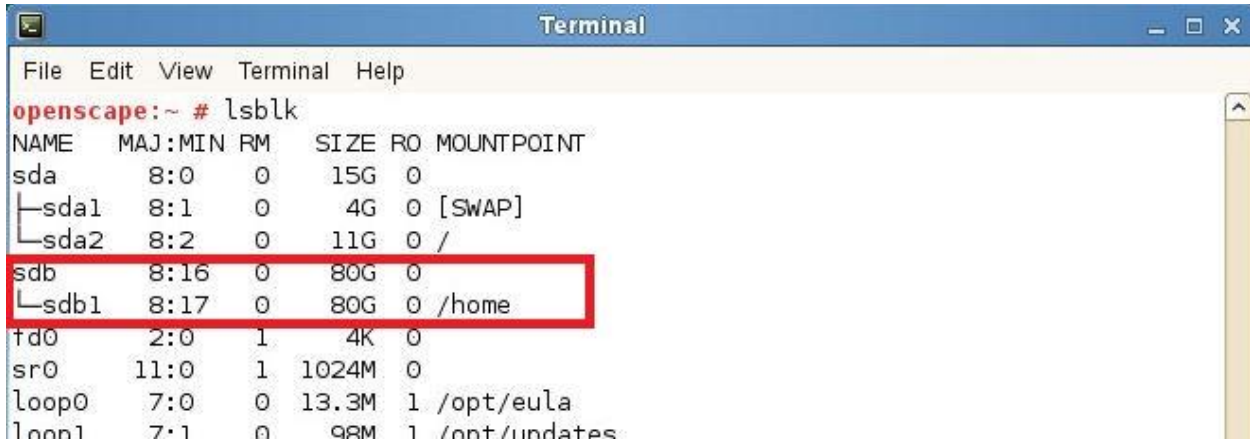
If you enhance the second Hard Disk in the VMWare settings e.g.to 80GB the SLES which coming with the OVA File will enhance normally the second Hard Disk automatically. If not you should use carefully the following instruction.

2. How to enhance the second Hard Disk in VMWare

1. Shutdown VMWare machine.
2. Change HDD size on vSphere, in my case I've changed it to 80GB:



3. Please power on your system and check if Hard Disk size is correct with "lsblk"



```
Terminal
File Edit View Terminal Help
openscape:~ # lsblk
NAME MAJ:MIN RM  SIZE RO MOUNTPOINT
sda   8:0    0   15G  0
├─sda1 8:1    0    4G  0 [SWAP]
└─sda2 8:2    0   11G  0 /
sdb   8:16   0   80G  0
└─sdb1 8:17   0   80G  0 /home
fd0   2:0    1    4K  0
sr0   11:0   1  1024M  0
loop0 7:0    0  13.3M  1 /opt/eula
loop1 7:1    0    98M  1 /opt/updates
```

!If the Size does not fit to the VMWare Settings please proceed with chapter 3!

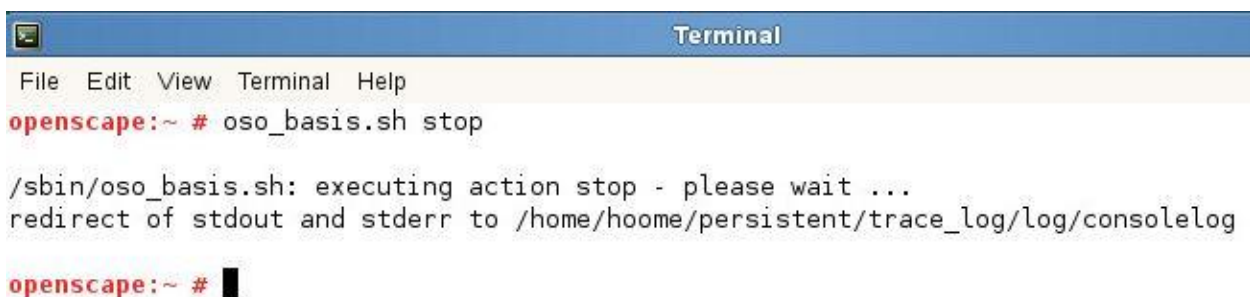
3. How to enhance the second Hard Disk via SLES Commandline

1. Stop OpenScape Business S.

Please let it first come up completely!

!You should not proceed with RSP Service Link, because If you stop OSBiz, no RSP is possible!

Before you proceed to stop OSBiz, please try to login via WBM or uses `oso_status.sh` and all services should active.



```
Terminal
File Edit View Terminal Help
openscape:~ # oso_basis.sh stop

/sbin/oso_basis.sh: executing action stop - please wait ...
redirect of stdout and stderr to /home/hoome/persistent/trace_log/log/consolelog

openscape:~ # █
```

2. Unmount all below mount points:

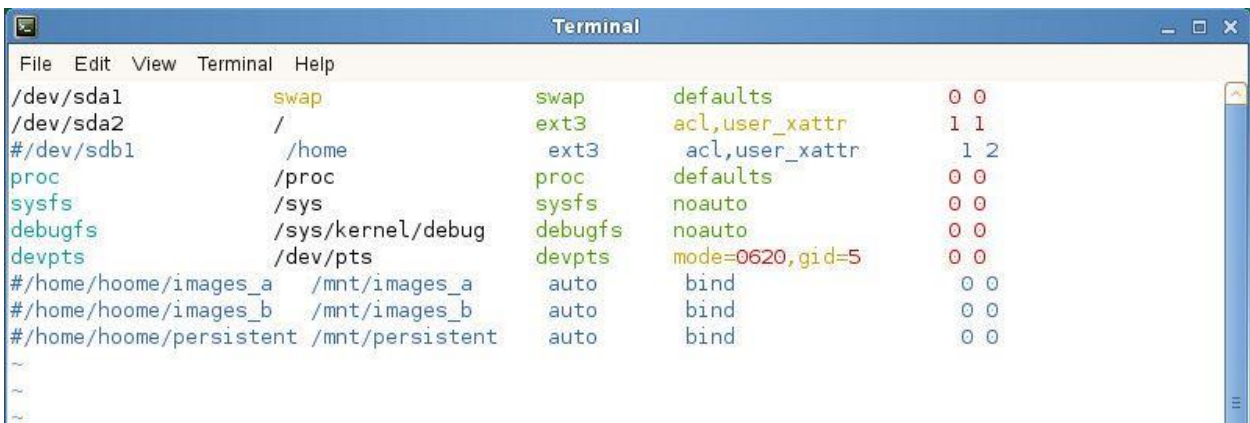


```
Terminal
File Edit View Terminal Help
openscape:~ # umount /mnt/images_a/
openscape:~ # umount /mnt/images_b/
openscape:~ # umount /mnt/persistent/
openscape:~ # umount -l /home/
openscape:~ #
```

3. Comment lines in /etc/fstab as seen below:

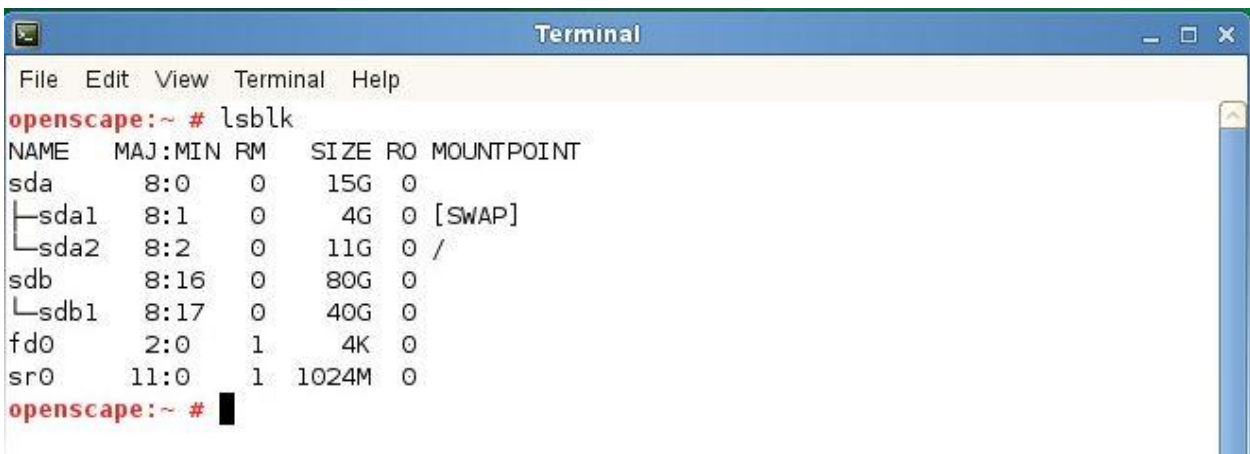
please use an editor e.g.: vi

edit all 4 lines and add “#” in front of each line as below



```
Terminal
File Edit View Terminal Help
/dev/sda1          swap              swap              defaults          0 0
/dev/sda2          /                ext3              acl,user_xattr   1 1
#/dev/sdb1         /home            ext3              acl,user_xattr   1 2
proc              /proc           proc              defaults          0 0
sysfs             /sys            sysfs            noauto           0 0
debugfs          /sys/kernel/debug debugfs          noauto           0 0
devpts           /dev/pts       devpts           mode=0620,gid=5  0 0
#/home/hoome/images_a /mnt/images_a   auto             bind             0 0
#/home/hoome/images_b /mnt/images_b   auto             bind             0 0
#/home/hoome/persistent /mnt/persistent auto             bind             0 0
~
~
~
```

4. Till now you see no changes in lsblk:



```
Terminal
File Edit View Terminal Help
openscape:~ # lsblk
NAME MAJ:MIN RM SIZE RO MOUNTPOINT
sda   8:0    0  15G  0
├─sda1 8:1    0   4G  0 [SWAP]
└─sda2 8:2    0  11G  0 /
sdb   8:16   0  80G  0
└─sdb1 8:17   0  40G  0
fd0   2:0    1    4K  0
sr0   11:0   1 1024M 0
openscape:~ #
```

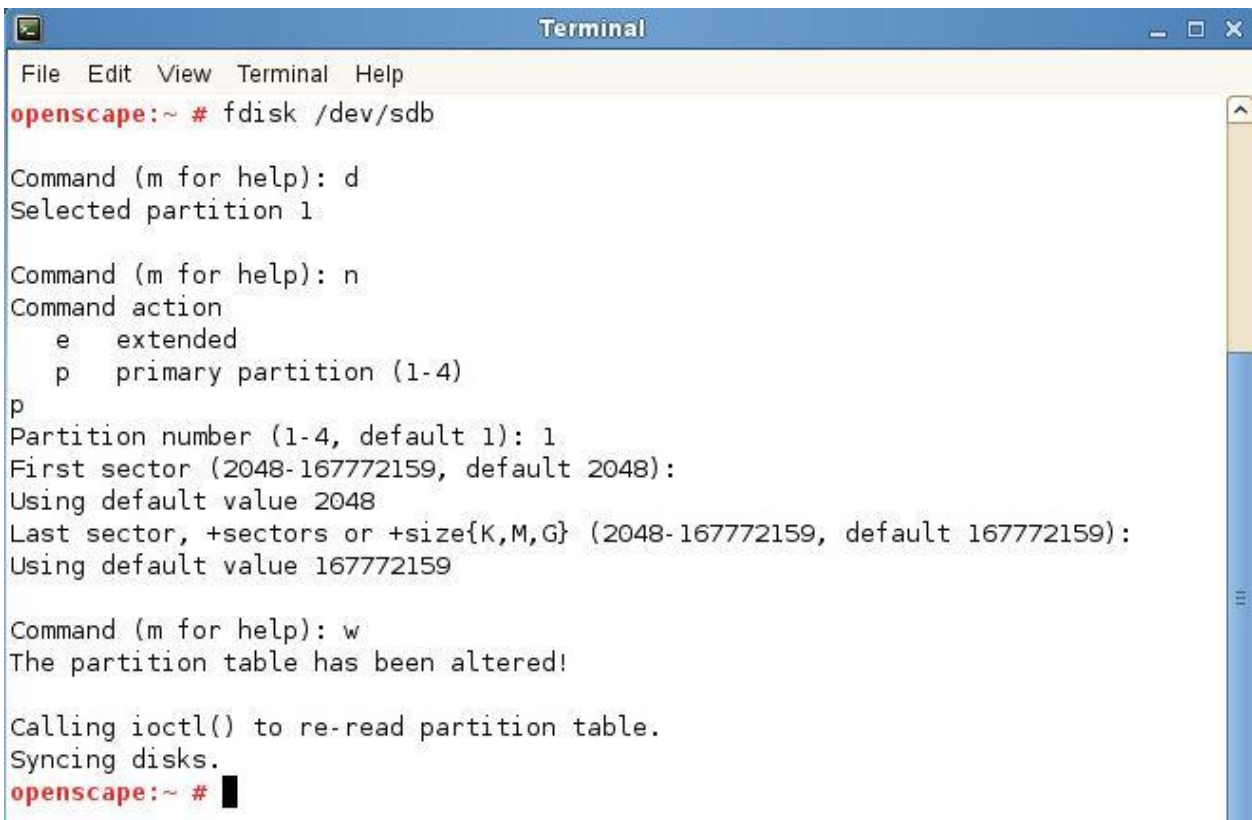
5. Reboot the system



```
Terminal
File Edit View Terminal Help
openscape:~ # reboot
```

6. Run `fdisk /dev/sdb` (careful! `fdisk` should be done in `/dev/sdb` and NOT in `sdb1`) and proceed as following:

! You will be prompted to some question please be careful!



```
Terminal
File Edit View Terminal Help
openscape:~ # fdisk /dev/sdb

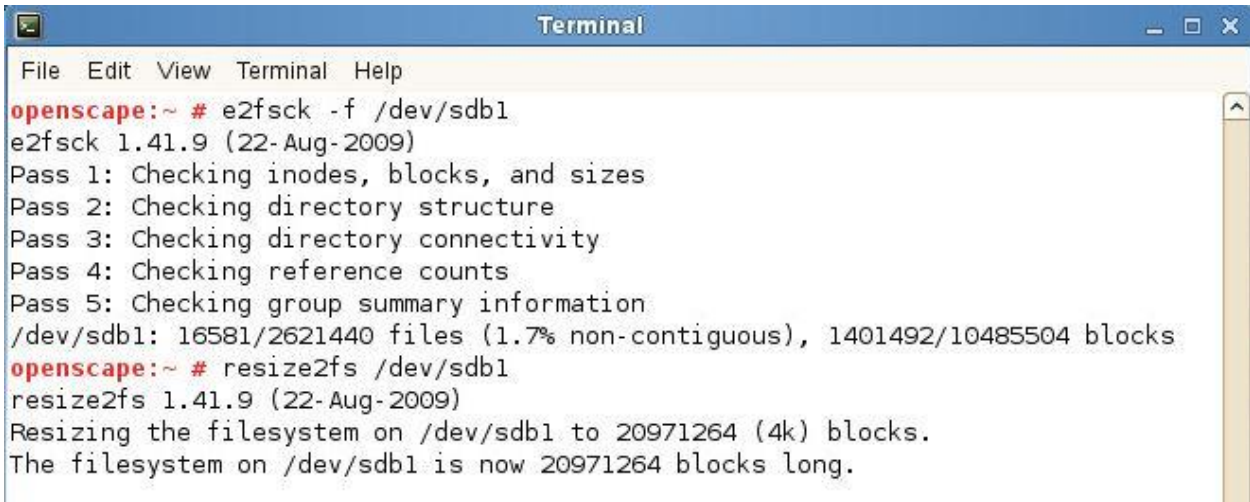
Command (m for help): d
Selected partition 1

Command (m for help): n
Command action
  e  extended
  p  primary partition (1-4)
p
Partition number (1-4, default 1): 1
First sector (2048-167772159, default 2048):
Using default value 2048
Last sector, +sectors or +size{K,M,G} (2048-167772159, default 167772159):
Using default value 167772159

Command (m for help): w
The partition table has been altered!

Calling ioctl() to re-read partition table.
Syncing disks.
openscape:~ #
```

7. Run `e2fsck` and `resize2fs` commands as following:

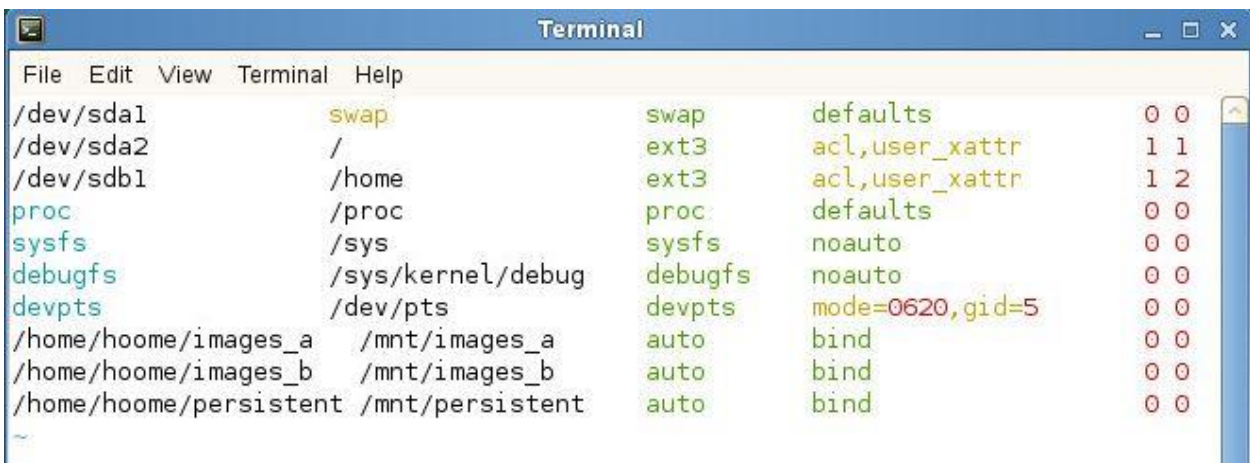


```
Terminal
File Edit View Terminal Help
openscape:~ # e2fsck -f /dev/sdb1
e2fsck 1.41.9 (22-Aug-2009)
Pass 1: Checking inodes, blocks, and sizes
Pass 2: Checking directory structure
Pass 3: Checking directory connectivity
Pass 4: Checking reference counts
Pass 5: Checking group summary information
/dev/sdb1: 16581/2621440 files (1.7% non-contiguous), 1401492/10485504 blocks
openscape:~ # resize2fs /dev/sdb1
resize2fs 1.41.9 (22-Aug-2009)
Resizing the filesystem on /dev/sdb1 to 20971264 (4k) blocks.
The filesystem on /dev/sdb1 is now 20971264 blocks long.
```

8. Remove comments in `/etc/fstab` to include again all mount points (`image_a`, `image_b` etc.)

Please use an editor again e.g.: `vi`

edit all 4 lines and remove `"#"` in front of each line



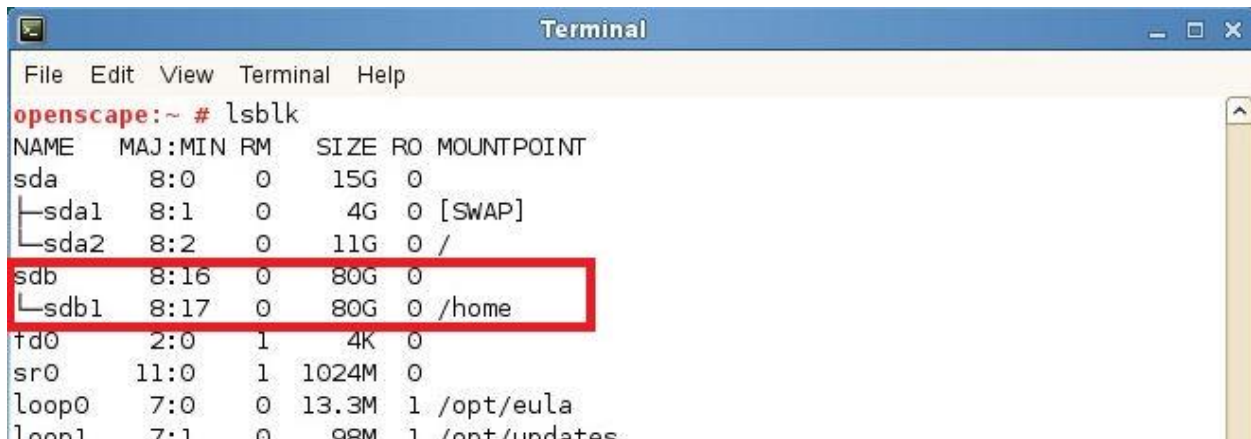
```
Terminal
File Edit View Terminal Help
/dev/sda1          swap              swap             defaults         0 0
/dev/sda2          /                 ext3             acl,user_xattr  1 1
/dev/sdb1          /home            ext3             acl,user_xattr  1 2
proc              /proc           proc             defaults         0 0
sysfs             /sys            sysfs           noauto          0 0
debugfs          /sys/kernel/debug debugfs         noauto          0 0
devpts           /dev/pts       devpts          mode=0620,gid=5 0 0
/home/hoome/images_a /mnt/images_a  auto           bind            0 0
/home/hoome/images_b /mnt/images_b  auto           bind            0 0
/home/hoome/persistent /mnt/persistent auto           bind            0 0
~
```

9. Reboot again



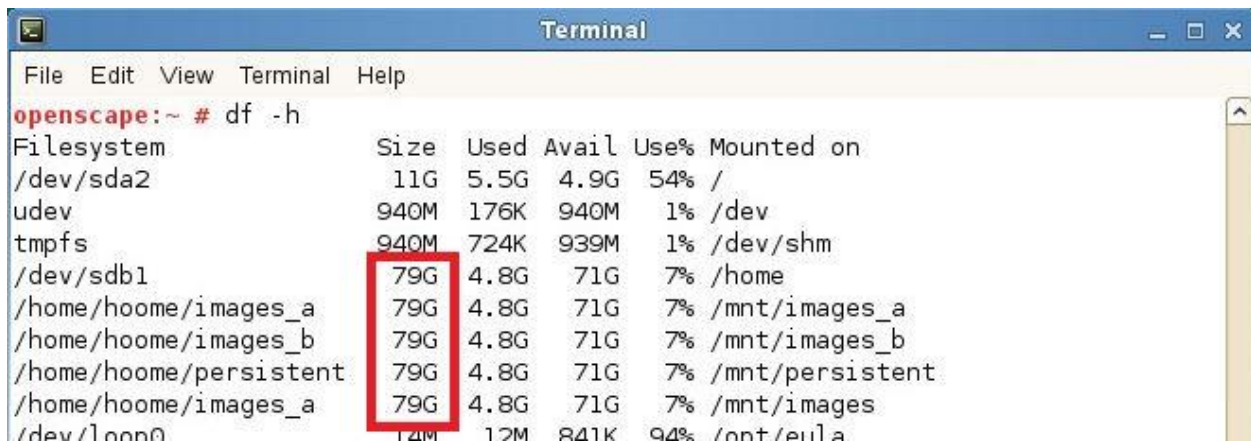
```
Terminal
File Edit View Terminal Help
openscape:~ # reboot
```


10. Once it comes up you should see the changed disk by using "lsblk" and OpenScape Business should come up



```
openscape:~ # lsblk
NAME MAJ:MIN RM  SIZE RO MOUNTPOINT
sda   8:0    0  15G  0
├─sda1 8:1    0   4G  0 [SWAP]
└─sda2 8:2    0  11G  0 /
sdb   8:16   0   80G  0
└─sdb1 8:17   0   80G  0 /home
fd0   2:0    1    4K  0
sr0   11:0   1 1024M  0
loop0 7:0    0  13.3M 1 /opt/eula
loop1 7:1    0    98M  1 /opt/updates
```

13. You can also check by using "df -h"



```
openscape:~ # df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda2       11G   5.5G  4.9G  54% /
udev            940M   176K  940M   1% /dev
tmpfs           940M   724K  939M   1% /dev/shm
/dev/sdb1       79G   4.8G   71G   7% /home
/home/hoome/images_a 79G   4.8G   71G   7% /mnt/images_a
/home/hoome/images_b 79G   4.8G   71G   7% /mnt/images_b
/home/hoome/persistent 79G   4.8G   71G   7% /mnt/persistent
/home/hoome/images_a 79G   4.8G   71G   7% /mnt/images
/dev/loop0      12M    12M  841K  94% /opt/eula
```

Copyright © Unify Software and Solutions GmbH & Co. KG, 2018
Mies-van-der-Rohe-Strasse 6, 80807 Munich, Germany
All rights reserved.

The information provided in this document contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without notice.

Unify, OpenScape, OpenStage and HiPath are registered trademarks of Unify Software and Solutions GmbH & Co. KG. All other company, brand, product and service names are trademarks or registered trademarks of their respective holders.