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| Linux - Lab 10  Disk Management |  |

# To be handed in:

After completing the tasks, capture the output of the following commands (run as root) into a text file and submit:

* fdisk –l | grep sd
* df –h
* swapon
* cat /etc/fstab
* lvdisplay

# Task #1 Adding Hard disks to the environment.

Add three SCSI HD’s to your Linux virtual machine. The first is a 2 GB HD, the second is a 7 GB HD and the third is a 3 GB HD

# Task #2 Partitioning Disk Drives

Make the following partitions on the **first hard drive that was added (2GB)** as follows (the partitions have to be configured to be mounted permanently):

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| --- | --- | --- |
| Mount Point | Size | File System/Options |
| /mnt/2GB/apps | 200MB | ext3 |
| /mnt/2GB/data | 400MB | xfs |
|  | 700MB | swap |

# Task #3 Using LVM to create partitions

Refer to the partition table below. Using LVM, create a Volume Group using the **second and third hard drives that were added**, and then create Logical Volumes to partition the Volume Group.

The Volume Group should be named vg\_data.

The Logical Volumes should be named to match their mount point (i.e. lv\_docs, lv\_pics and lv\_swap).

|  |  |  |
| --- | --- | --- |
| Mount Point | Size | File System/Options |
| /mnt/vg\_data/lv\_docs | 3GB | ext4 |
| /mnt/vg\_data/lv\_pics | 4GB | ext3 |
|  | 2GB | swap |