#### Lab Report

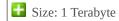
#### Your Performance

Your Score: 4 of 4 (100%) Pass Status: Pass Elapsed Time: 2 minutes 54 seconds Required Score: 100%

# **Task Summary**

### Actions you were required to perform:

- Create a volume group called data
- Create a logical volume called artHide Details



- Mount the new volume to the products folder
- Create a file called newproduct

## **Explanation**

In this lab, your task is to create a logical volume using the first partition on each new drive as follows:

- Use pvcreate to initialize the partitions for use with LVM.
- Use vgcreate to create a volume group call data using these two partitions.
- Use lvcreate to create a 1 Terabyte logical volume called art from the data volume group.
- Create a directory called **product** where you can mount the
- Format the new logical volume with ext4.
- Mount the logical volume to the **product** directory.
- Change to the product directory and create a file call **newproduct**.
- Verify the creation of the file and amount of disk space available on this new volume.

### Complete this lab as follows:

- 1. At the prompt, type **ls /dev/sd\*** and press **Enter** to view the partition information. Note that partitions sdb1, sdc1, and sdc2 are available on the new hard drives.
- 2. Type pvcreate /dev/sdb1 /dev/sdc1 and press Enter to initialize the first two partitions on each drive for use with LVM.
- 3. Type **vgcreate data /dev/sdb1 /dev/sdc1** and press **Enter** to create the volume group.
- 4. Type **vgs** and press **Enter** to verify the creation of the new volume group.
- 5. Type **lvcreate --size 1t -n art data** and press **Enter** to create the new volume.
- 6. Type **mkdir product** and press **Enter** to create a new folder to mound the logical volume in.
- 7. Type **mkfs.ext4** /**dev**/**data**/**art** and press **Enter** to create the file system.
- 8. Type **mount -t ext4** /**dev**/**data**/**art product** and press **Enter** to mount the volume in the product folder.
- 9. Type **cd product** and press **Enter** to change into the product folder.
- 10. Type **touch newproduct** and press **Enter** to create a file.
- 11. Type **ls** and press **Enter** to view the new file.
- 12. Type **df** -**h** and press **Enter** to view the logical volume.