**LINUX GENERAL ADMINISTRATION LAB ASSESMENT (10 PTS Each) Min Required Score=70  
LOGINID = linuxadmin PASS = P@ssworD ROOT\_PASS = root1234  
1) Create a new user for $LOGINID with the Password as $PASS  
 using this detail enable linuxadmin to run sudo commands without the need of password;   
 now switch to linuxadmin to run all further commands.   
2) Check if SELINUX is running and set it to Permissive mode.**

**3) Create an INPUT Rule in FIREWALL to accept Services for SSH and NFS for Incoming and save the config to be restored if lost later. Enable FIREWALLD in SYSTEMD and Also make sure its Running.**

**4) Get System Architecture info (Amount of CPUs and Speed, Amount of Mem, OS Kernel)   
redirect the STDOUT details in VM1 /home/root/VMDETAILS.txt**

**5) in VM1 create a Directory called APPS1 & APPS2 in /home/linuxadmin/ ;   
 using the four available Disk Devices / Create a Volume Group called VG01 with all four and then create 2 Logical Volumes for each to use 50% of VG Space and mounted as XFS Filesystem on APPS1 and APPS2**

**6) From VM1 create a ssh key and copy to VM2;   
 from VM1 remotely get available free space from VM2 (df -h command) and redirect to a file with a date format example (DISKSPACE\_REPORT\_MM\_MD\_YY.txt)**

**7) Using the above task (Question #6) and Create a cronjob to run on the hour, every hour.**

**8) NFS: Create a Directory called FILE\_SHARE in /home/linuxadmin in VM2;**

**Create a Directory called SHARED\_FILES in VM1;**

**Create a NFS Share from VM2 /home/linuxadmin/FILE\_SHARE to VM1 /home/linuxadmin/SHARED\_FILES**

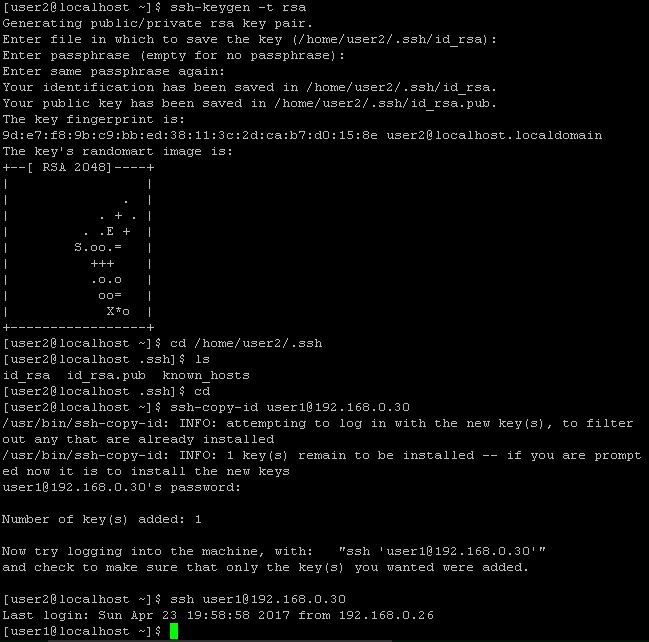
**(I don't care which NFS Version is used)**

**9) Enable VM1 /home/linuxadmin/SHARED\_FILES to Mount to VM2 NFS Share Permenently across reboots.**

**10) Install httpd service from yum, makes sure that apache is listening under port 8980 and enabled for startup.  
11) BONUS QUESTION: Create a redirect rule in Apache to forward port 80 to 8980**

**Preparation Document**

**1. SSH to a server for passwordless login**

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<https://www.digitalocean.com/community/tutorials/how-to-set-up-ssh-keys-->

**2. Add user to sudoers and give sudo permissions**

**3. Change root password**

<https://app.pluralsight.com/player?course=lfcs-linux-operation-essentials&author=andrew-mallett&name=lfcs-linux-operation-essentials-m3&clip=1&mode=live>

**4.**