**White test N°6 - RHCSA 8**

**Initialization : Systems set up**

**System1 :**

Hostname – system1.example.com

IP – 192.168.55.150/24

Dns – 192.168.5.1

GW – 192.168.5.1

**System2 :**

Hostname – system2.example.com

IP – 192.168.55.151/24

Dns – 192.168.5.1

GW – 192.168.5.1

**Questions**

**System1 :**

1. reset the root password of the system1 server to « password123 »
2. create a backup file named « /root/backup.tar.bz2 ». the backup file should contain the content of « /usr/local » and should be zipped with bzip2 compression format.
3. Ensure selinux is in enforcing mode. If it is not, change selinux to enforcing mode.
4. Configure a task : write the message hello every monday at 17h.30
5. Find the files owned by the user student, and copy it to catalog : /opt/dir
6. Write a shell script that finds files located in /etc and whose size is between 2bytes and 10M
7. Find the rows that contain /bin/bash from file /etc/passwd, and write it to the file /tmp/testfile.
8. On system2, configure Europe as the time zone
9. Configure system1 to be a ntp client for system2
10. Add user1, user2 and user3. The additional group of the two users : user2, user3 is the admin group. Password : redhat
11. Add admin group and set gid=6000
12. Create a shared directory /home/admins, make it has the following characteristics :

/home/admins belongs to group administrator. This directory can be read and written by members of group administrator. Any files that will be created in /home/admins must have administrator as owner group.

1. Copy /etc/passwd to /var/tmp/pass. Owner of the file /var/tmp/pass is root, belongs to group root, and this file can not be executed by any user
2. Add the service nfs to your firewall configuration
3. when he connects , formateur1 will have his home folder mounted on “/home/formateur1” from server2:/tekup/tic/formateur1
4. Make balanced profile as your default profile
5. Create a container ​logserver​ from an image ​rsyslog​

●Configure the container with systemd services by an existing user “student »

,●Service name should be ​container-logserver​, and configure it to start automaticallyacross reboot

1. Configure your host journal to store all journal across reboot

●Copy all \*.journal from /var/log/journal and all subdirectories to/home/student/container\_logserver

Configure automount​ /var/log/journal​ from ​logserver​ (container) to/home/student/container\_logserver​ when container starts.

**System2 :**

1. Create a 512M partition (/dev/sdb of 2GB), make it as ext4 file system, mounted automatically under /mnt/data1 and which take effect automatically at boot-start
2. Make a swap partition having 100MB (/dev/sdb of 2GB). Make automatically usable at system boot time.
3. Create a volume group vg (5GB), and set PE=32M.Create two logical volumes as followes :

* Lvol1 with size 1256M, configure it with ext4 file system, and mount it automatically under /mnt/lv1
* Lvol2 with 10 LE . configure it with xfs and mount it permanently to /mnt/lvo2.

1. Reduce the size of Lvol1 to 500M
2. Extend the size of lvol2 to 620M
3. (/dev/sdc of 10GB) : create a VDO volume with the name (class1\_vdo) and a logical size of 30GB. Format the VDO volume with the xfs filesystem, mount it on /class1\_mnt and make it persistent across reboot.