RHCSA EXAM 3 Hrs

You have to configure servera.lab.example.com and serverb.lab.example.com with the following requirements.
Your Domain name:- lab.example.com
Your Network:- 172.25.250.0/255.255.255.0
Hostname:- servera.lab.example.com and serverb.lab.example.com
Your root user password for serverb.lab.example.com is **redhat**
Your ip address for servera.lab.example.com is **172.25.250.10**
Container registry server is **utility.lab.example.com**
Use **admin** as username and **redhat** as password for container registry

serverb.lab.example.com

1. Configure the network
a) Assign Hostname and Ip address for your virtual machine.
Hostname serverb.lab.example.com
IP Address 172.25.250.11
Netmask 255.255.255.0
Gateway 172.25.250.254
Nameserver 172.25.250.254

2. Create a repository file
http://classroom.example.com/content/rhel9.0/x86_64/dvd/AppStream
http://classroom.example.com/content/rhel9.0/x86_64/dvd/BaseOS

3. Configure the Selinux
The webserver is running on non-stardard port 82 having a issue serve the web content. Debug and fix the issue:
a) The webserver can serve all the existing HTML file located at /var/www/html directory (Don't alter or remove any files in this directory)
b) The webserver can serve the content on port 82.
c) Make the content accessible.

4. Create the following users, groups and group memberships:
a) A group named admin.
b) A user harry who belongs to admin as a secondary group.
c) A user natasha who belongs to admin as a secondary group.
d) A user sarah who does not have access to an interactive shell on the system and who is not member of admin.
e) harry, natasha and sarah should have password of password.

5. Create a collaborative directory /common/admin with the following characteristics:
a) Group ownership of /common/admin is admin.
b) The directory should be readable,writable and accessible to members of admin, but not to any other user.
(It is understood that root has access to all files and directories on the system.)
c) Files created in /common/admin automatically have group ownership set to the admin group.

6. Configure autofs to automount the home directories of production5 domain users. Note the following:
a) servera.lab.example.com (172.25.250.10) NFS -exports /user-homes to your system.
b) production5 home directory is servera.lab.example.com:/user-homes/production5
c) production5 home directory should be automounted locally beneath to /localhome as /localhome/production5 .
d) home directories must be writable by their users.
e) production5's password is redhat.
f) While you are able to log in as any of the users production1 through production30, the only home directory that is accessible from your system is production5.

7. The user harry must configure cron job that runs daily at 12:30 local time and execute /bin/echo "hello".

8. Configure the NTP
a) Configure your system so that it is an NTP client of classroom.example.com

9. Locate the Files
a) Locate all the files owned by sarah and make a copy of them in the given path /root/find.user

10. Find the string
a) Find a string "home" in /etc/passwd and searching string as been stored in /root/search.txt

11. Create an user account
a) Create an user account with Userid 1326 and user name as alies.

12. Create a tar archive file
a) Backup the /var/tmp as /root/test.tar.gz

13. Build a container as student user.
a) Using the URL to build the container image with name monitor.
http://classroom.example.com/Containerfile
c) Do not modify the container file

14. Configure the container as a system start-up service and mount volumes persistently
a) Create the container name as ascii2pdf as student user
b) Run the container by using image monitor which one was already done in previous
c) Create the container as a system start-up service, While reboot it will automatically start the service without any human intervention.
d) The system service should be container-ascii2pdf.
e) The local directory /opt/files should be persistently mount on container's /opt/incoming directory.
f) The local directory /opt/processed should be persistently mount on container's /opt/outgoing directory.
Note: In working of service starts, any file create/store under the /opt/files automatically creates into pdf on /opt/outgoing directory.

15.1 Set the Permission
a) All new creating files for user natasha as -r-------- as default permission.
b) All new creating directories for user natasha as dr-x------ as default permission.

15.2 Set the Password expire date
a) The password for all new users in serverb.lab.example.com should expires after 20 days.

15.3 Assign Sudo Privilege
Assign the Sudo Privilege for Group "admin" and Group members can administrate without any password.

15.4 Configure the application RHCSA as an alies user, When login it will show the message "Welcome to Advantage Pro"

15.5 Create the script file
a) Create a mysearch script file under /usr/local/bin to locate files under /usr/share directory having size less than 1M.
b) After executing the mysearch script file and listed(searched) files has to be copied under /root/myfiles.

servera.lab.example.com

1. Assign root user password as northate.

2. Create a repository file
http://classroom.example.com/content/rhel9.0/x86_64/dvd/AppStream
http://classroom.example.com/content/rhel9.0/x86_64/dvd/BaseOS

3. Create a swap partition 512MB size.

4. Create one logical volume named database and it should be on datastore volume group with size 50 extent and assign the filesystem as ext3.

(i) the datastore volume group extend should be 8MiB. (ii)mount the logical volume under mount point /mnt/database.

5. Resize the logical volume size of 100 extent on /mnt/database directory.

6. Set the recommend tuned profile for your system.