RHCSA PAPER
Duration : 2.5Hrs.

Q1 Configure I.P addres of your virtual Machine as

IP: 192.168.0.X

Gateway: 192.168.0.254

Hostname: server(x-100).example.com

Where X is your station number.

Q2. Your system has a new 500MiB physical partition mounted under /mnt/new with a 500MB ext4 filesystem.

Q3. Create the following users, groups, and group memberships:
• A group named sysusers
• A user andrew who belongs to sysusers as a secondary group
• A user susan who also belongs to sysusers as a secondary group
• A user brad who does not have access to an interactive shell on the system, and who is not a member of sysusers
andrew, susan, and brad should all have the password of password.

Q4.   Create a collaborative Directory /shared/sysusers with the following characteristics:-
• Group ownership of /shared/sysusers is sysusers.
• The directory should be readable, writable, and accessible to members of sysusers, but not to any other user. (It is understood that root has access to all files and directories on the system.)
• Files created in /shared/sysusers automatically have group ownership set to the sysusers group.

Q5. Search a string root in /etc/passwd file and save in /somefile.

Q6.Enable IP forwarding on your machine.

Q7. The user andrew must configure a cron job that runs daily at 15:25 local time and executes /bin/echo hello

Q8.   Find files in your system which is owned by andrew user & save on /backup/somefile..

Q9. Extend your swap space to 1GiB.

Q10. Resize your lvm partition to 350MiB.

Q11. Authenticate users from LDAP Directory Servers which have:

ServerName: instrutor.example.com.
*   Base DN: dc=example,dc=com.*
*   Download certificate from ftp://instructor.example.com/pub/EXAMPLE-CA-CERT*

Authenticate with users ldapuser100-X with have password of password.

Configure autofs such that server home directory instructor.example.com:/home/guests/ldapuser100-x on /home/guests/ldapuser100-x.

Q12. Selinux must be in enforcing mode.

Q13 Copy the file /etc/fstab to /var/tmp. Configure the permissions of /var/tmp/fstab so that:
• the file /var/tmp/fstab is owned by the root user.
• the file /var/tmp/fstab belongs to the group root.
• the file /var/tmp/fstab should not be executable by anyone.
• the user andrew is able to read and write /var/tmp/fstab.
• the user susan can neither write nor read /var/tmp/fstab.hat
all other users (current or future) have the ability to read /var/tmp/fstab.

Q14. Configure your system so that it is an NTP client of instructor.example.com.

Q15.Implement a web server for the site http://(serverx-100).example.com,
then perform the following steps:-
• Download ftp://instructor.example.com/pub//index.html.html
• Copy this index.html to the DocumentRoot of your web server
• Do NOT make any modifications to the content of index.html

Q16. Configure an ftp server such anonymus user can login into your system.

Q17. Create an lvm partitions of name /dev/development/engineering of size 32MiB.