**Task 01:** Assuming the root user password is lost, and your system is running in multi-user target with no current root session open. Reboot the system into an appropriate target and reset the root user password to root1234.

Ans.

Text

Description automatically generated

Text

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Description automatically generated

Graphical user interface, text

Description automatically generated

Text

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Text

Description automatically generated

Text

Description automatically generated

**Task 02:** Using a manual method (create/modify files by hand), configure a network connection on the primary network device with IP address 192.168.0.241/24, gateway 192.168.0.1, and nameserver 192.168.0.1 (you may use different IP assignments based on your lab environment).

Ans.

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface

Description automatically generated

**Task 03:** Using a manual method (modify file by hand), set the system hostname to rhcsa1.example.com and alias rhcsa1. Make sure that the new hostname is reflected in the command prompt.

Ans.

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

**Task 04:** Set the default boot target to multi-user.

Ans.

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

**Task 05:** Set SELinux to permissive mode.

Ans.

Graphical user interface, text

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Text

Description automatically generated

Graphical user interface, text

Description automatically generated

Graphical user interface, application

Description automatically generated

Text

Description automatically generated

**Task 06:** Perform a case-insensitive search for all lines in the /usr/share/dict/linux.words file that begin with the pattern “essential”. Redirect the output to /tmp/pattern.txt file. Make sure that empty lines are omitted.

Ans.

Text

Description automatically generated

**Task 07:** Change the primary command prompt for the root user to display the hostname, username, and current working directory information in that order. Update the per-user initialization file for permanence.

Ans.

Graphical user interface, application

Description automatically generated

Text

Description automatically generated

**Task 08:** Create user accounts called user10, user20, and user30. Set their passwords to Temp1234. Make accounts for user10 and user30 to expire on December 31, 2021.

Ans.

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

**Task 09:** Create a group called group10 and add users user20 and user30 as secondary members.

Ans.

Text

Description automatically generated

**Task 10:** Create a user account called user40 with UID 2929. Set the

password to user1234.

Ans.

Text

Description automatically generated

Text

Description automatically generated

**Task 11:** Create a directory called dir1 under /tmp with ownership and owning group set to root. Configure default ACLs on the directory and give user user10 read, write, and execute permissions.

Ans.

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

**Task 12:** Attach the RHEL 8 ISO image to the VM and mount it persistently to /mnt/cdrom. Define access to both repositories and confirm.

Ans.

# add ISO to the virtualbox optical drive

mkdir /mnt/cdrom

mount /dev/sr0 /mnt/cdrom

vi /etc/yum.repos.d/image.repo

blkid /dev/sr0 >> /etc/fstab

vi /etc/fstab

# format line with UUID /mnt/cdrom iso9660 defaults 0 0

# contents of image.repo

#####

#[BaseOS]

#name=BaseOS

#baseurl=file:///mnt/cdrom/BaseOS

#enabled=1

#gpgenabled=1

#gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release

#

#[AppStream]

#name=AppStream

#baseurl=file:///mnt/cdrom/AppStream

#enabled=1

#gpgenabled=1

#gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release

#####

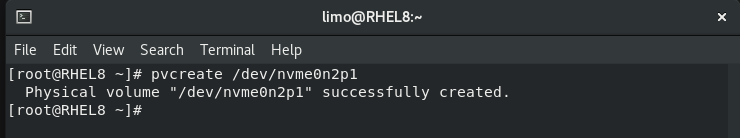
yum repolist # confirm

**Task 13:** Create a logical volume called lvol1 of size 300MB in vgtest volume group. Mount the Ext4 file system persistently to /mnt/mnt1.

Ans.

Text

Description automatically generated



Graphical user interface, text, application

Description automatically generated

Graphical user interface, text

Description automatically generated

Text

Description automatically generated with low confidence

Text

Description automatically generated

Graphical user interface

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

**Task 14:** Change group membership on /mnt/mnt1 to group10. Set read/write/execute permissions on /mnt/mnt1 for group members, and revoke all permissions for public.

Ans.

Text

Description automatically generated

**Task 15:** Create a logical volume called lvswap of size 300MB in vgtest volume group. Initialize the logical volume for swap use. Use the UUID and place an entry for persistence.

Ans.

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

Graphical user interface

Description automatically generated