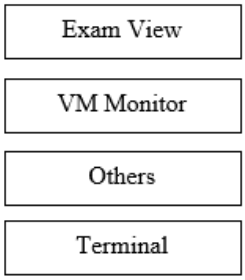
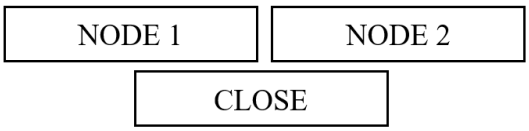
RHCSA Exam Version 9

Important Points:

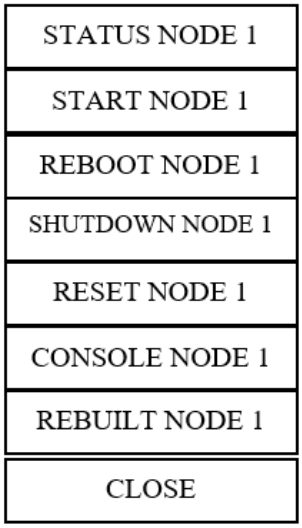
- When you sit in the Examination, you will be given a Base Machine by which you will connect to the other machines,
    - Node 1 (Primary Machine)
    - Node 2 (Secondary Machine)
- In the top-left corner click on Activities there you will find



- Click on **Exam View** to Open the Question Paper.
- Click on **Terminal** to open the terminal of the Base Machine.
- Click on **VM Monitor** to access Machine 1 and Machine 2, when you click on VM Monitor a dialog box will appear,



- Click on NODE 1, then a new screen is displayed,



- Same goes with NODE 2.

- DO NOT Click on Reset and Rebuilt Options, unless your machine is not working anymore.
- Well, BEST OF LUCK.

Primary Machine

(node1.lab.example.com)

1. Configure the following

Hostname = node1.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

http://content/rhel9.0/x86_64/dvd/BaseOS

http://content/rhel9.0/x86_64/dvd/AppStream

3. Configure the Selinux

Your web content has been configured in port 82 at the /var/www/html directory

(Don't alter or remove any files in this directory) Make the content accessible.

4. Create the following users, groups, and group memberships:

- A group named sysadm.

- A user "harry" who belongs to sysadm as a secondary group.

- A user "natasha" who belongs to sysadm as a secondary group.

- A user "sarah" who does not have access to an interactive shell & who is not a member of sysadm.

-All above-mentioned users should have the password of radiowits.

5. Create a collaborative directory /shared/sysadm with the following Characteristics:

- Group ownership of /shared/sysadm is sysadm.

- The directory should be readable, writable, and accessible to members of sysadm, 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/sysadm automatically have group ownership set to the sysadm group.

6. Configure autofs to automount the home directories of netuserX user. Note the Following:

- netuserX home directory is exported via NFS, which is available on classroom.example.com (172.25.254.254) and your NFS-exports directory is

  /netdir/netuserX for netuserX,

- netuserX's home directory should be automounted using autofs service.

- home directories must be writable by their users.

7. Schedule a cronjob for natasha which execute every 3 minutes and print

logger "EX200 running"

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

9. Find the files of the owner sarah and copy the file to the given path of /root/find.user

10. Find all strings "ich" from the "/usr/share/dict/words" file and copy that strings in a /root/lines file.

11. Create a new user with UID 1545 and user name as John and password radiowits.

12. Create a tar archive of "/etc/" and should be placed in /root directory as "archive.gz"

13. Build a container as Andrew

a) Use the URL http://url/ to build the container image with the name watch.

b) Do not modify the container file

14. Create a container using an image that you created somewhere in the exam:-

- Create a container using Andrew user the container name should be the watcher.
- Container should run as a systemd service, so configure as a service name container-watcher.service
- Container should run at boot time.
- Container name should be the watcher.
- Mount /opt/files directory to /opt/files in the container and /opt/processes to /opt/processes in the container.

This container will convert ascii test file into pdf format, so when you create simple file in /opt/files then container will automatically convert that file into pdf and save /opt/processed.

Secondary Machine

(node2.lab.example.com)

1. Assign root password as radiowits

2. Create a repository file

http://content/rhel9.0/x86_64/dvd/BaseOS

http://content/rhel9.0/x86_64/dvd/AppStream

3. Resize the logical volume "vo" size to 20 extents.

4. Create a swap partition of 712MB size.

5. Configure Volumes

- Create one logical volume engineering from a database volume group of size 20 Extents.
- logical volume engineering from the datastore volume group extend should be 8MiB.
- Format with ext3 file system and mount it permanently under /mnt/database

6. Set the recommended tuned profile for your system.