

White test 5- rhcsa 8

Initialization : Systems set up

System1 :

Hostname – system1.eight.example.com

IP – 192.168.55.150/24

Dns – 8.8.8.8

GW – 192.168.5.1

System2 :

Hostname – system2.eight.example.com

IP – 192.168.55.151/24

Dns – 8.8.8.8

GW – 192.168.5.1

Questions

Ensure all the tasks are implemented with firewall and selinux enabled. Your server should be able to survive a reboot.

- 1- Interrupt the boot process and reset root password. Change it to « root » to gain access to the system.
- 2- Repos are available from the repo server at the following local urls for you to use during the exam :
</var/ftp/repo/BaseOS>
</var/ftp/repo/AppStream>
- 3- The system time should be set to your (or nearest to you) timezone and ensure NTP sync is configured.
- 4- Create a container with the name, “examserver” from rhel8/rsyslog image from registry.lab.example.com registry. Configure the container with systemd services as the student user using the service name, “container-examserver” so that it can be persistent across reboot.
Configure your host journal to store all journal across reboot. Copy all journal from /var/log/journal and all subdirectories to /home/student/container-examserver.
Create and mount /home/student/container-examserver as a persistent storage to the container as /var/log/journal when container start.
Use “administrator” as the username and “admin1234” as the credentials for the image registry.

- 5- Add the following secondary IP addresses statically to your current running interface. Do this in a way that doesn't compromise your existing settings :
 - a. IPV4 – 10.0.0.5/24
 - b. IPV6 – fd01 ::100/64
- 6- Enable packet forwarding on system1. This should persist after reboot
- 7- System1 should into the graphical target by default and boot messages should be present (not silenced).
- 8- Configuration de autofs : Partie serveur (server1) et client (server2) :
Configurez autofs pour monter automatiquement le home de l'utilisateur remoteuser1.
Le répertoire de base de remoteuser1 sur le serveur nfs est : /rhome.
Le répertoire de base de remoteuser1 sur le client nfs est : /clienthome.

In system2 :

- 9- create a new 2GB volume group named « vgprac » (add a new hard disk of 2GB to your system)
- 10- Create a 500MB logical volume named « lvprac » inside the « vgprac » volume group.
- 11- The « lvprac » logical volume should be formatted with the xfs filesystem and mount persistently on the /mnt/lvprac directory
- 12- Extend the xfs filesystem on « lvprac » by 500MB
- 13- Use the appropriate utility to create a 5TiB thin provisioned volume (add a new hard disk of 5GB to your system).
- 14- In system1, configure a basic web server that dispalys « RHCSA Exam in december 2021 » once connected to it. Ensure the firewall allows the http/https services in the 2 systems and ensure that the message can be displayed in system2 localhost.
- 15- Find all files that are larger than 10MB in the /etc directory and copy them to /find/largefiles
- 16- Write a script named exam.sh in the root directory on system1
 - a. If « rhcsa8 » is given as an argument, then the script should output « yes, is valid. »
 - b. If « rhcsa7 » is given as an argument, then the script should output « no, isn't valid ».
 - c. If the argument is empty or anything else is given, the script should output « usage ./exam.sh rhcsa8|rhcsa7 ».
- 17- In your system1, Create users phil, laura, stewart and kevin
 - a. All new users should have a file named « welcome » in their home folder after account creation.
 - b. All user passwords should expire after 120 days and be at least 6 characters in length.

- c. Phil and lara should be part of the « accounting » group. If the group doesn't already exist, create it.
- d. Stewart and kevin should be part of the « marketing » group. If the group doesn't ready exist, create it.

18- Only members of the accounting group should have access to the « /accounting » directory. Make lara the owner of this directory. Make the accounting group the group owner of the « /accounting » directory.

19- Only members of the marketing group should have access to the « /marketing » directory. Make stewart the owner of this directory. Make the marketing group the group owner of the « /marketing » directory.

20- New files should be owned by the group owner and only the file creator should have the permissions to delete their own files.

21- Create a cron job that writes « this practice exam was easy » to /var/log/messages at 7pm and 10pm only on weekdays.