

RHCE LAB EXAMINATION

Welcome to the RHCE Exam! This is a certification exam that tests your skills in managing and administering Linux systems. The exam focuses on real-world scenarios and practical tasks to assess your ability to configure, manage, and troubleshoot Linux systems

TASK 1 [SCORE: 1]

Imagine you need to give your Linux system a new name, "rhce-exam." Can you outline the simple steps, including the commands, to successfully change the system's name to "rhce-exam"?

TASK 2 [SCORE: 2]

Explain the difference between the following commands

- a. `dnf update`***
- b. `dnf upgrade`***

Provide a detailed breakdown of each command.

TASK 3 [SCORE: 3]

Explain the directory structure of a typical Linux system. Provide a detailed overview of the key directories in the root file system ("/")

TASK 4 [SCORE : 3]

Imagine you're ensuring the security of a server by setting up SSH key-based login and adjusting the SSH port for an extra layer of protection. Outlining the essential steps, specific commands, and considerations needed to carry out this security configuration.

TASK 5 [SCORE: 3]

In a practical scenario, suppose you need to host a simple web page using Apache HTTP Server (httpd), but this time on a non-default port. Describe an alternative approach, providing the step-by-step process, specific commands, and considerations required to successfully accomplish this setup.

TASK 6 [SCORE: 4]

Picture yourself in a scenario where you need to set up and install a WordPress website, utilizing Nginx as the chosen web server. Provide a detailed guide outlining the step-by-step process of installation.

TASK 7 [SCORE: 4]

You're tasked with creating a Bash script to find all files with a ".log" extension and then backing them up using the tar command. The backup should be stored inside the "/backuplog" directory.