**COLUMBUS STATE COMMUNITY COLLEGE**

**COMPUTER SCIENCE DEPARTMENT**

**CSCI 2790 – Linux Administration (Linux+)**

**RH124 – Section 7.7 Lab**

**Learning Objective:** The objective of this lab assignment is to gain and apply knowledge about the Linux shell environment.

**This lab assignment can be completed at home, or, at any of the computer labs at**

**Columbus State Community College.**

**Grading and Lab Submission Requirements:**

**You are required to complete all exercises/labs in this assignment. You will not receive credit for this lab assignment if you do not complete all labs/exercises in this assignment.**

1. **Lab Assignment - Deadline: See Syllabus**
2. **Late Lab Assignment Penalty:** Late lab assignments will not be accepted. I encourage you to start your assignments in advance. This helps produce a quality assignment. Using Blackboard’s Assignment Feature, submit this lab assignment **before the stated deadline**.
3. **Lab Assignment Submission:** This lab assignment must be submitted using **Blackboard’s Assignment Feature**. As you progress through the lab, you will be asked to describe certain steps of the lab assignment and / or take screenshots of your progress as proof of completion. Screenshots should be collected by completing the work requested in the lab, taking a screenshot, and pasting it into this document in the relevant location. This will record an image of the current state of your virtual environment. Be sure to complete all questions as applicable.
4. **Academic Dishonesty:** Academic dishonesty or plagiarism will result in a severe penalty such as course failure or other penalties. These penalties are outlined in your Student Handbook. Your work must be your work and not the work of others.
5. Complete the following exercises listed below in this document.

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1. Access the Red Hat Academy site and launch the RH124 course. Once launched, click “Lab Environment” and click the “Start” button if your virtual environment is stopped.
2. Access the Red Hat Academy site and launch the RH124 course. Once launched, click “Table of Contents” and select the lab assignment noted in the title of this assignment. Note, solutions are locked – this assessment requires you to apply the skills learned in the lecture, chapter reading, and other materials.
3. Be sure to access the machine identified in the lab (e.g. “workstation”), and be mindful of which user you’ve used to log in.
4. **Note**: Any reference to specific steps below is regarding the line identified in the Red Hat Academy assignment directly.
5. What command did you utilize to complete step 2?

I used **mkdir /home/techdocs**

This command created the shared directory where users in the group techdocs will collaborate.

1. What command did you utilize to complete step 5?

I used **chmod 2770 /home/techdocs**

This sets the directory permissions:

2 = setgid (group ownership inheritance)

7 = read, write, execute for owner

7 = read, write, execute for group

0 = no access for others

1. Attach a screenshot of the “lab grade perms-review” output.

**A screenshot of a computer

AI-generated content may be incorrect.**