Project 1 Day 3 Scenario:

Today you will conclude your hardening tasks by scripting and scheduling the tasks you completed on Day 1 & 2.

Today's focus is on

- (1) Scripting your hardening tasks
- (2) Scheduling your hardening scripts
- (3) Completing the summary report

Part 1: Scripting your hardening tasks

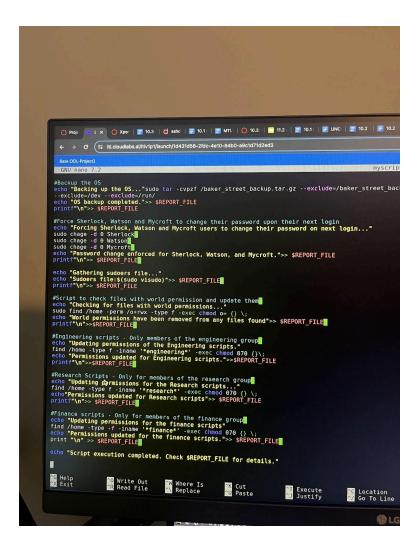
Over the last 2 class days you have done great work hardening and auditing BSC's environment. While you have protected BSC's linux server, you have done each part, one step at a time. In Part 1 of today's activities, you will build out 2 scripts to automate many of the tasks you completed over the last two days. The first script will be for the first day's tasks, and the second day will cover the second day's tasks. Additionally, you have been provided with script templates to guide you through the script development process. Once you have built out your scripts, test them out to confirm there are no errors.

Script 1:

- View and copy the following <u>script 1 template</u>, update the script everywhere you see placeholders in <u>red</u>. <u>Be sure to remove all the placeholders!</u>
- Copy the script into a file called hardening_script1.sh
- Update the permissions and run it to validate there are no errors.
- 1. Nano <u>myscript.sh</u> allows us to create a new script called <u>mscript.sh</u>
- 2. cp myscript.sh hardening_script1.sh allows us to copy the script into the file hardening_script1.sh
- 3. chmod +x allows us to execute this script so we can run it with no errors.

Script 2

- View and copy the following <u>script 2 template</u>, update the script everywhere you see placeholders in <u>red</u>. <u>Be sure to remove all the</u> <u>placeholders!</u>
- Copy the script into a file called hardening_script2.sh
- Update the permissions and run it to validate there are no errors.
- 1. Nano myscript2.sh allows us to create a script called myscript2.sh
- 2. Cp myscript2.sh hardening_script2.sh allows us to copy this script into a file called hardening_script2.sh
- 3. chmod +x allows us to execute this script so we can run it with no errors.



Part 2: Scheduling your hardening scripts

In Part 2 of today's activity, you will use cron to schedule the 2 scripts you just created.

Complete the following:

- Using cron, schedule script 1 to run Once a month on the first of the month
- Using cron, schedule script 2 to run Once a week every Monday

Be sure to note on your checklist what you have completed

- 1. Crontab -e allows us to edit the crontab file for the current user
- 2. * * 1 1 * myscript.sh allows us to run myscript.sh once a month on the first of the month.
- 3. * * * * 1 myscript2.sh allows you to run this script once a week every monday.

