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**HW10**

**Date today: November 17, 2024**

**CTEC402**

**Chapter 10**

**Part1: Grade (5 points): Thinking Critically**

These questions are designed to prepare you for the critical thinking required for the A+ exams and may use content from other chapters and the web.

1. Why is the scrollbar typically hidden from view in macOS?

Answer: The scrollbar is hidden to provide a cleaner, minimalist interface, reducing visual clutter and focusing on content. It appears only when scrolling or interacting with a scrollable area.

1. Which app manages multiple desktop screens in macOS?

Answer: Mission Control manages multiple desktop screens and organizes open apps and windows in macOS.

1. Which app provides tools for customizing the macOS interface?

Answer: System Preferences provides tools for customizing the macOS interface.

1. A scanner connected to your Mac is giving problems and you suspect corrupted device drivers. What should you do first? Second?
   1. Download and install drivers from the scanner manufacturer.
   2. Back up the macOS startup disk using Time Machine.
   3. Update macOS.
   4. Uninstall the scanner and install it again.

Answers: A then C

1. How often does Time Machine create new backups, and how long are these backups kept?

Answer: Time Machine creates backups hourly, daily, and weekly. Backups are kept until the storage disk is full, at which point older backups are deleted to make space.

1. Your macOS installation is corrupted and you want to boot from an external Thunderbolt hard drive to repair the installation. Which key(s) do you hold down at startup to boot from the external hard drive?
   1. d key
   2. command+r keys
   3. shift key
   4. option key Answer: D
2. You are helping your friend troubleshoot a problem with his Linux server. You enter a common Linux command and discover it doesn’t work exactly as you expected. What might be the problem and what do you do next?
   1. The Linux installation is corrupted; restore the system from backup.
   2. The Linux shell is not the one you expected; use the echo $SHELL command.
   3. You probably don’t know how to use the Linux command; search the web for information about the command.
   4. The Linux shell is not the one you expected; use the echo $0 command.

Answer: B

1. What is the full path to the home directory of the user account lucio in Linux? Answer: /home/lucio
2. You are running a web server app in Ubuntu Server. Users complain that their browsers are loading webpages with errors. Where are you likely to find the log file where the webserver reports its errors?
   1. /app/log
   2. /bin
   3. /var/log
   4. /root

Answer: C

1. In Linux, when logged in as a normal user with root privileges, which command must precede the apt-get command in the command line in order to install a program?
   1. sudo
   2. sudo user
   3. su
   4. root

Answer: A

1. Which file system does Linux currently use for the volume on which Linux is installed?

Answer: Linux typically uses the ext4 file system.

1. You have set up an FTP server in Ubuntu Server. Jason, a user, calls to say he gets an error when trying to put a file in his /home/jason/files directory. You look at the directory structure and see that you forgot to give the user ownership of the directory. Which command can fix the problem?
   1. chown jason:jason /home/jason/files
   2. sudo chmod u=rwx /home/jason/files
   3. sudo chown jason:jason /home/jason/files
   4. chmod u-rwx /home/jason/files

Answer: C

1. What is the Linux vi editor command to save your changes and exit the editor?

Answer: :wq

1. You are managing an FTP server installed in Ubuntu Server. The server has created a very large log file, vsftpd.log. Which command is appropriate to search the log file for activity of the user charlie?
   1. sudo cat /var/log/vsftpd.log
   2. grep “charlie” /var/log/vsftpd.log
   3. sudo grep “charlie” /var/log/vsftpd.log
   4. cat /var/log/vsftpd.log

Answer: C

1. Explain why most Linux commands work about the same on a Mac computer as they do on a Linux system.

Answer: Both macOS and Linux are Unix-based operating systems, sharing a similar command-line interface and core utilities, enabling compatibility of most commands.

1. You work at an IT help desk and have been asked to set up 25 new user accounts in Active Directory. Your boss tells you to save time by using a PowerShell script that’s available on a network share. You look at several script files named CreateNewUsers that are stored on the drive. Which one is likely to be the one you want?
   1. The file with a .js file extension
   2. The file with a .bat file extension
   3. The file that is the largest
   4. The file with a .ps1 file extension

Answer: D

**Part2: Grade (10 points): All hands on project must show all steps by including screen shot from your own system**

Hands-On Project 10-6

**Part3: Grade (5 points) : Remember you must show all steps**

Real Problem 10-3

**REQUIREMENTS**

- Any assignment received after the time of the class is considered late **(NO EXCUSES)** and is graded with 0