

A1.1.1 File System Hierarchy Quiz

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Monday December 25, 2023

Seat 99 (Grade level 13)

Cyber Capstone

1. What is the main purpose of a password attack?

- A. To encrypt passwords
- B. To authenticate users on a system
- C. To gain a victim's password
- D. To enhance password security

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1. What does the /boot directory contain?

- A. Variable data generated by services and applications
- B. Configuration files and shell scripts for the system
- C. Essential executable files for the system to function
- D. Files required for the system's boot process, including the kernel, RAM disk images, and bootloader configuration files

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2. What information does the /proc directory provide?

- A. Data and resources about users on the system
- B. Information about processes, hardware configuration, and kernel parameters
- C. Essential libraries for the system
- D. Special device files representing hardware devices

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3. What is the purpose of the /var directory?

- A. Storing temporary files and directories needed by various processes
- B. Serving as a mount point for removable media devices
- C. Holding configuration files and shell scripts for the system
- D. Containing files that change while the system is being used, such as log files and cache data

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4. Where are essential executable files for the system located?

- A. /lib
- B. /bin
- C. /usr
- D. /sbin

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5. What is the purpose of the /dev directory?

- A. Holding optional or add-on software packages
- B. Serving as a general-purpose mount point
- C. Containing special device files providing access to hardware devices
- D. Storing temporary files and directories

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6. Where are system binaries mainly reserved for system administrators located?

- A. /usr
- B. /sbin
- C. /etc
- D. /bin

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7. What is the purpose of the /opt directory?

- A. Storing temporary files and directories needed by various processes
- B. Serving as a mount point for removable media devices
- C. Holding optional or add-on software packages
- D. Containing files that change while the system is being used

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8. Where are user home directories located?

- A. /mnt
- B. /root
- C. /home
- D. /tmp

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9. What does the /media directory serve as?

- A. A general-purpose mount point
- B. A location for storing temporary files

C. A home directory for the superuser/root account

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10. What is the purpose of the /tmp directory?

A. Storing temporary files and directories needed by various processes

B. Serving as a general-purpose mount point

C. Containing special device files providing access to hardware devices

D. Holding optional or add-on software packages

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